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AN "Amalgamated Building Trades Council," similar to the one existing in New York, has been formed in Boston, with Joseph Clinkard as President. What this portends to the workingmen of Boston, or rather, of Eastern Massachusetts, can be judged by referring to the accounts of the relentless persecutions of individual workingmen, as well as contractors, by which the Board of Walking-Delegates in New York has established itself in control over all building matters in a community of three million people, drawing an enormous tribute from its subjects, dictating how contracts for a hundred million dollars' worth of building a year shall be carried out, and holding the livelihood of at least five hundred thousand people at its mercy. Whether the operations of the Boston Board will be carried on less ruthlessly than those of their New York brethren, it is hard to say. That the workmen need not hope for much compassion from their rulers, if the latter have any private end to gain by sacrificing them, is sufficiently indicated by the calamities which the stone-cutters have endured, through so many successive years, at the command of their saloon-keeper President; and by the recent performance of the officers of the bricklayers' union, who ordered a large building "struck," because an old man was employed on it who did not belong to the union. This man, who was a first-class mechanic, but was about seventy years old, had repeatedly applied for membership in the union, but was rejected on account of his age, and the union officers undertook to prevent him from earning a living by the side of younger men, and to drive him into the poor-house, out of their way, as coolly as a South Sea Islander would fatten his father for the pot, when the old man began to get a little stiff in his movements around the rice field. If it had not been for the kindness of his employers, Messrs. Woodbury & Leighton, who befriended him with characteristic resolution, although at considerable loss to themselves, the poor old bricklayer would have had his living taken away from him by the professional "champions of labor"; but a notice that the outcast would continue to be employed on the building, whether any other bricklayers worked there or not, combined with the circumstances that, building business being very dull, it was difficult to find employment elsewhere, brought the men quietly back to their places, and the magnates thought it prudent not to press the matter further. If there had been more people in New York, in the last few years, possessed of the spirit of Messrs. Woodbury & Leighton, we should not now see the contractors crawling around on their knees after the walking-delegates, and the Boston contractors have, in many instances, shown themselves more independent and self-respecting than their New York brethren; but the Boston workmen seem to be quite as thoroughly enslaved by their tyrants as those in New York. The New York men, when ordered on strike, have recently taken up the habit of slipping away to Europe, where they can work unmolested until the "labor war" is over; while the Boston mechanics have not yet thought of this method of escape from their bondage. Whether the tightening of the chains, by the "amalgamation," through which a stone-cutter who can lay brick, or do carpentry, is to be prevented from earning a living by any sort of building work, will have a similar effect in Massachusetts, remains to be seen. We are not without hope, however, that more powerful aid than that of a few individual contractors may be extended to the poor workingmen of Boston. Neither the citizens of Massachusetts, nor their representatives in the Legislature, are so given over to mean expediency as to have forgotten the first principles of freedom, and, while there have been many instances of truckling to the insolent labor tyrants, on the part of the Legislature, we are convinced that they have been due to an idea that the measures demanded by the labor leaders, for the purpose of strengthening their own power, would be in some way, as they strenuously asserted, beneficial to the "poor and lowly"; and when the community has been sufficiently aroused to the fact that the usual purpose of the union tyrants is to secure and improve their own position and importance, to discourage honest ambition among workingmen, and to crush out all opposition to their rule; and that they pursue these ends by a systematic and cruel terrorism, which gains its ends by the effectual process of depriving every one who dares to disobey or question their dictates of his means of existence, we believe that there will be a strong reaction in favor of the establishment of the principle that conspiracy to deprive any man of liberty to work for whom he pleases, as many hours as he pleases, and for what wages he is able to earn, is a crime against the Commonwealth. The appearance of this idea in legislative deliberations will, we are sure, be hailed with secret delight by thousands of workingmen, who, like the poor granite-cutter, who committed suicide the other day in despair, on hearing that a strike had been ordered in his trade, have now no hope of escape from the iron despotism which rules and uses them at its pleasure; and the man who shall undertake to defend in the Legislature, or before the courts, the cause of citizens against conspirators, will, if his efforts promise success, be surprised at the popularity which will follow him.

IT will be many years before the Metropolitan Museum of Art will as a piece of civic property acquire the same value to the whole city as have the great museums of Europe, which are maintained with the double purpose of fostering art and attracting to the city strangers whose full pockets may be emptied to the benefit of the city's commercial prosperity. But until that time comes the New York collections can still in a degree be of great use if they are used in giving object-lessons to pupils in various branches of art, and this idea led to the establishment of the schools which have for some years been connected with the Museum. Recently, various causes, among them the death of Mr. Tuckerman, who had much to do with their establishment and who was charged with their management, have brought about a remodelling and simplification of the courses of instruction which these schools offered. Instruction is no longer to be given in illustration, etching, ornamental design, nor in architectural design or history, while the classes in drawing and painting, in modelling and in architectural drawing, pure and simple, are to be more or less remodelled. Thus the instruction in the architectural class will be almost exclusively directed to meeting the needs of those who propose to follow the careers of draughtsmen, or whose financial status is such that, though having a higher ulterior aim in view, they must begin to earn their living at the earliest possible moment. At present there is no institution which provides a curriculum in architectural drawing apart from design and the science of construction, and as the course is to be arranged on practically the same lines as similar work done at Columbia College, the new class becomes in a manner a feeder to the architectural department there, so

those whose views have changed or circumstances altered will probably be enabled, in some way as yet not wholly determined, to join the second-year class at Columbia, and so take a shorter and consequently less expensive course. It seems as though this undertaking should meet with immediate success, for the tuition fee is modest, and it is plain that a year's steady work at architectural drawing will turn out a body of draughtsmen more welcome in the offices than those whose practice in the problems of draughtsmanship has been interrupted by other studies.

THIS change is interesting enough, but more interesting is the one which places Mr. John LaFarge in charge of an advanced class in painting which is practically called into being to provide competitors for the travelling-scholarship of two years' duration which, as we lately stated, has been established by the widow and daughter of Mr. Jacob H. Lazarus. The character and present capacity of the pupils who may join this class cannot be predicted, but it is not credible that the young artists of the city, both male and female — though the Lazarus scholarship is not open to women — will not jump at the chance of listening to the precept and advice and profiting by the encouragement or rebuke of this most vivacious, intelligent and enthusiastic of workers. There is many a capable artist who can produce good work but who to save his soul could not explain why or how he did it, but LaFarge does not belong to this class; he can most entertainingly and instructively explain his feelings and analyze his methods, and even if his instruction should prove to be as erratic as his own genius, its very incompleteness, having the suggestiveness of his own slighter sketches, might prove far more valuable than the more complete didacticism of some professional Dryasdust.

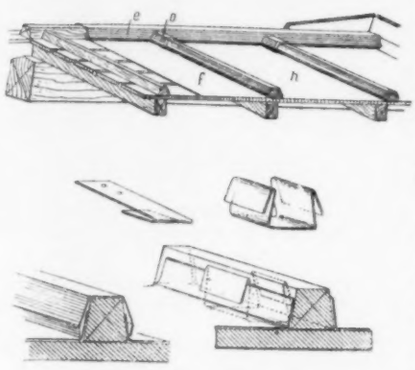
THE *British Architect* has had a letter from a firm which manufactures goods used in building, complaining that architects sometimes come to them and order goods in their own names. The goods are delivered, and the bill sent to the architect, made out at the list prices, with the usual trade discount deducted at the end, the architect being classed with builders, as entitled to the benefit of wholesale rates. By and by, not the architect, but his client, comes in with the bill which was sent to the architect, and pays it, thus securing the advantage of the trade price, to which, as an outsider, he has no claim whatever. The manufacturers, with some reason, think that this is an injustice to them, and is, moreover, likely to offend their wholesale customers, who in England, as here, are very particular to see that the manufacturers of whom they buy "protect" them by selling to retail customers only at full retail prices. The *British Architect's* correspondents wish to know whether there is not some means by which they can be defended, either through the interposition of the Institute, or in some other way, from what they call the "petty attempts on the part of architects to secure profits for their own or some one else's benefit to which they have no legitimate right." The *British Architect* discusses the question rather seriously, saying that the manufacturers may deal as they like with the architects who put the difference between the list price and the wholesale rate in their own pockets, these individuals being entitled to no consideration from any one; but that the question whether an architect should be able to secure for his client a discount which belongs fairly to the builder, or the retail dealer, can only be settled by the manufacturers and the trade themselves. So long, it sensibly says, as architects are allowed to purchase goods for their clients at wholesale rates, they are virtually compelled, in their client's interest, to act as brokers for them, to their own annoyance, and often to the injury of their reputation among their own clients, who, if they are of suspicious disposition, look with great disfavor on the strange relation between the architect and the manufacturer, and find it hard to believe that the architect, who could so easily pocket the difference between the wholesale and retail price, should have let the opportunity pass without taking some advantage of it.

WHILE heartily endorsing all that the *British Architect* says on the subject, we can go much farther, and say that the practice of making discounts to architects on building materials and similar goods, which are known to be bought for the benefit of a client, is an unmitigated nuisance, which not only, as the *British Architect* says, brings the architect frequently into suspicion among his clients, but often puts on his shoulders a serious task of "dickering" with dealers, which is no part of his professional duty, and for which he seldom gets any thanks. It may be taken as a matter of course that most architects will try to get goods for their clients as cheap as they can. No architect's conscience would be easy if he knew that his client had paid fifty dollars for a mantel, or gas-fixture, or carpet, which he could have got for him for forty dollars; and the trade discounts are in many instances so enormous, amounting sometimes to sixty or seventy per cent, that a considerable sum can often be saved out of the cost of a house by purchasing judiciously. If architects could not buy for their clients on any better terms than their clients themselves, as is now the case in many establishments, they could devote themselves with a clear conscience to their proper duty of selecting and advising, and they would be glad enough to be able to do so.

EVERY few years some one revives the idea of using hollow tubes for shafting. It is obvious that, with a given weight of metal, hollow shafting can be made stiffer, stronger, and less liable to loss of transmissive effectiveness by torsion, than the ordinary solid shafting. Nevertheless, after a few trials, the tubular shafting seems to be abandoned, to be revived again a little later. Recently, however, the manufacture of steel and iron tubing has been greatly improved, and the increased strength and regularity of form of the new tubes seems to have suggested again the idea of employing them for the transmission of power. Some French engineers, MM. Belbezet and Decroly, of Havre, have set up an extensive system of tubular shafting, which they find to be stronger and stiffer than the solid shafting, with a saving of about half the weight. The tubing which they use is very accurately and perfectly made, so that in many cases the pulleys can be put on without turning the shaft for them. Among the improvements in the system which they have introduced is one which appears to be quite new, the hollow shafts being utilized as reservoirs of oil. By means of small holes drilled in the shaft at the proper places, the journals and loose pulleys are kept lubricated, with very little trouble, and considerable economy of oil.

THE *Revue Industrielle* says that, after a good many trials, a very light and simple tricycle has been made, propelled by electricity. The tricycle is of the ordinary sort, but the saddle is removed, and replaced by a box, the top of which forms a seat for the traveller, while the interior contains a chromic-acid battery, and an electric motor, the power from which is transmitted to the driving-wheels by means of cog-wheels and chains. The steering head is controlled by a sort of tiller, and the brake is managed by the feet. The battery is double, composed of two batteries, of eighteen cells each, connected for intensity, the two separate batteries being then connected for quantity; but this arrangement would naturally be modified to suit the kind of motor used. As with the ordinary tricycle, the electric vehicle is supplied with ball-bearings. Including the battery, with cells filled with liquid, the whole machine, ready for starting, weighs only about one hundred and seventy-five pounds, and can carry two persons, of average weight, over an ordinary road, at a speed of twelve miles an hour, for three or four hours. After this time, the battery declines considerably in force, but will continue to furnish a diminishing power for some time longer. The cost of power obtained from a battery of this sort is considerable. Roughly speaking, it would amount to about two cents a mile, for materials alone, exclusive of the labor of refilling and renewing the battery. As cyclers would rarely be able, on their journeys, to stop every four hours and replenish their supply of chromic acid at a village store, we imagine that this mode of locomotion will not be generally adopted at present, and, although the account says nothing about the effect on the ironwork of the machine, or the trousers-legs of the proprietor, of the upsetting of the battery by a sudden jolt, there is reason to suppose that it would be quite deleterious; so that most of us will prefer to wait, before having our wheels supplied with electric motors, until that good time shall arrive, which is probably not so very far off, when light, constant and powerful storage-batteries shall be our constant companions, and electricity for charging them shall be "on tap" at every post-office and corner grocery.

ROOFING.[1] — III.



Figs. 1 and 2.

LET us glance at some of the different kinds of zinc roofs now in use. In general, it may be said that all of them must be so laid as to give free play for the expansion and contraction of the metal, in order to avoid breakages at the points of attachment. The best roofing system for dwelling-houses is the so-called *ledge* system (Fig. 1), with battens very close together to counteract one of the defects of zinc; namely, its property of absorbing heat to an excessive degree in summer, and allowing it to escape with equal facility in winter; this defect is especially detrimental in zinc-covered mansard roofs. Figure 1 shows a ridge and gutter in zinc with free expansion and contraction provided for. First, we have the ridge-ledge *e* and the zinc sheets *f* fastened at right angles to the ledges by special hooks, the details of which will be seen farther on; then the counter-joints *h*, with their heads, *n*, soldered to the ridge *g*; lastly, the screw-heads *o* with the zinc caps. The design indicates clearly the way in which the sheets of zinc are folded at the ridge and against the ledges, so as to obtain perfectly tight joints, while all the fastenings are secured against displacement by the provision made for the expansion and contraction of the metal. All the joinings are represented in Figure 2. To hold the sheets and prevent them from slipping, straps of thicker zinc are nailed to the battens and bent back to receive their upper edges. Widthwise, the sheets are turned up along the ledges, which are themselves covered with zinc bands so bent as to clinch the sheets. By this method of fastening in both directions, a perfectly solid whole is obtained, while at the same time the metal can expand and contract freely. When the ridge-ledge is cased with zinc terminating in a bevel to prevent the water from ascending along the relief, the work is completed.

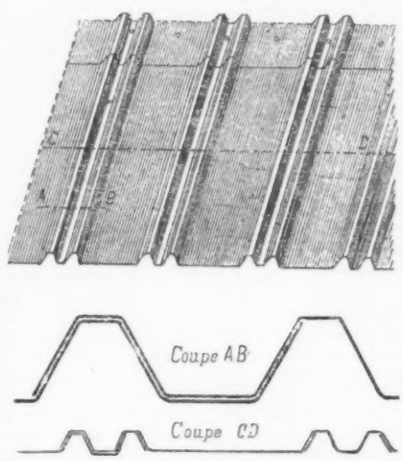


Fig. 3.

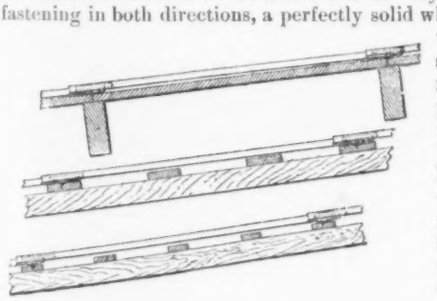


Fig. 4.

The Vieille-Montagne system offers the surest guaranty of durability and solidity; for this reason it is in very general use for zinc roofing.

The so-called double-ribbed Baillot system, represented in Figure 3, is applied to roofing, wall-facing and wainscoting. It differs from the preceding that each sheet — 0.94 metres in breadth — possesses four sets of ribs mainly designed by the inventor to prevent the water during a rain storm from being driven by the wind wholly on any one point. Ample room for expansion and contraction is also obtained in the direction of the façade; and as the sheets are nailed only in the upper part they are equally free in the other direction. The whole, is then arranged under favorable conditions. The joining and fastening are simple; we give (Fig. 4) a few details. The zinc is secured in place by galvanized-iron nails; in laying it the workman has merely to punch the necessary holes in each sheet with an awl. The nails come under the laps and are thus protected against the effects of the weather. The vertical attachment is effected by means of heavy strips soldered at the bottom of each sheet on the inner face of the cheeks of the ribs. Their almost vertical position makes the whole rigid and firm. Lastly, the under edge of the sheet is bevelled to leave inside the laps the space necessary to guard against infiltration of water by capillary attraction.

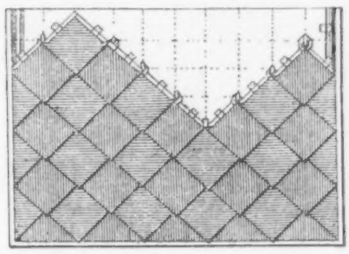
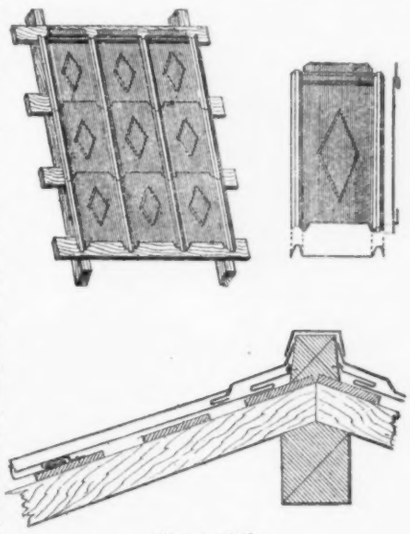


Fig. 5.

Figure 4 shows first the application of the sheets on joined battens, together with the mode of attaching them to the purlins. In the other two cases they are laid on roofing laths. The lap cannot be less than 0.05 metre, and it may be carried to 0.20 metre in wall facings, gables, etc. This system which has the merit of being easy of execution while at the same time it is elegant enough, has nevertheless not crowded out the preceding, which still holds the supremacy by virtue of its very simplicity.

We present in Figure 5 still another kind of zinc roofing, the so-called lozenge system. It is used on all sorts of structures, on light and elegant edifices as well as on public buildings, exchanges, markets, sheds, etc.; and it is especially applied to the *brisis* of mansard roofs. In appearance it resembles slating, but the process of laying it is extremely delicate. It must have proved to be well calculated to resist the action of high winds, for a government circular has been issued ordering it to be used for covering lighthouse dependencies, with the object of avoiding frequent repairs. The details (Fig. 5) give one entire plate with straps, a half-plate for the right edge and another for the left. This sort of roofing is highly recommended by the Vieille-Montagne manufacturers.



Figs. 6 and 6*b*.

There are other kinds of zinc tiles that are also very ornamental. Those from the factories of the Maison Duprat

[1] From the French of A. Rospide, in Planat's *Encyclopédie de l'Architecture et de la Construction*. Continued from No. 860, page 176.

(Fig. 6) have been adopted for the châlets of the City of Paris and for several casinos at Trouville, Aulus, Cauterets and elsewhere. Their chief merit is lightness. A dozen tiles are required to the square metre and the adjusting of them is exceedingly simple. The roofer is not obliged to provide himself with straps or washers; he need not trouble himself about the pitch of the roof or about the prevailing winds; the lateral joints will not leak; there is no loss of surface, as is the case with the lozenge noticed above, which in addition to being difficult to lay, presents only a small part of its surface and requires joined battens; this increases the cost greatly. The joining at the ridge, which is shown in Figure 6*b*, is as appears clearly, of the simplest kind. The same is true of the other parts of the roof. The price of these metal tiles is 85 francs per hundred kilos.

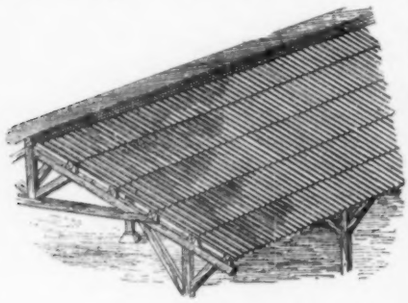


Fig. 7.

Corrugated sheet-iron roofing, either painted or galvanized, is extensively used now, especially in large industrial centres (Fig. 7). Its chief advantage, from the standpoint of economy, lies in the fact that it admits of bearings of 10, 13 or 15 metres without any supporting framework. The sheets of iron, from 1 to 2 metres long, are centered and bolted together, with laps varying from 15 to 20 millimetres. At right angles to each line of posts carrying the roof run round iron rods, which are bolted to the posts and to the sheets on the edges. It is well, however, not to exceed the bearings mentioned above, for fear of accidents. When the corrugated sheets rest on wood or iron trusses, as in Figure 7, there is no kind of danger, whatever the span may be. The securing is done by means of special bolts which clasp the purlins and are bolted above the roofing, zinc or copper washers being interposed. This material has been extensively used for some time for portable houses for the colonies; we read in *La France artistique et industrielle* that "50 kilometres southwest of Pretoria, the capital of the South African Republic, on a spot where hardly two years since the ostrich-hunter could find no shelter other than that of the scattered gold-seeker's tents, now stands the City of Johannesburg, with more than 25,000 inhabitants housed in dwellings built wholly of corrugated sheet-iron."

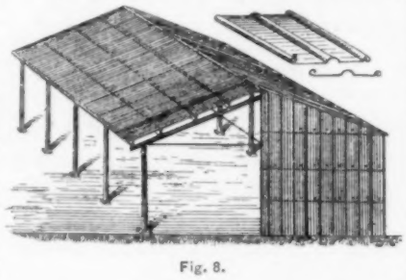


Fig. 8.

The usual dimensions of the sheet-iron kept in stock for constructional purposes are:

1.000 m. × 1.000 m.; 800 × 1.800 m.; 650 × 1.650 m.;
800 × 1.650 m.; 800 × 2.000 m.; 1.000 m. × 2.000 m.

Below will be found a table showing the reductions of the sheets after corrugation, and also giving a few prices.

Sheet-iron tiles (Fig. 8) are likewise used in connection with the corrugated sheet-iron. They are applied to shed walls but, naturally, cannot be used for roofs without trusses to support them. They are less expensive than the corrugated sheet-iron, the conditions being the same.

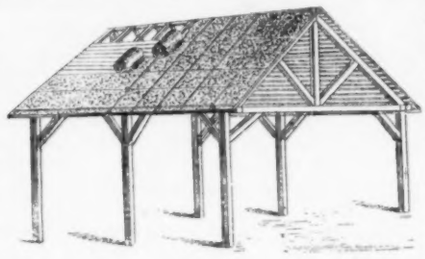


Fig. 9.

Tin is but little used in France, where it oxidizes rapidly; but it is in common use in more northern climates — Prussia, Poland and Russia. Attempts have been made of late to use cast-iron tiles, but without favorable results, doubtless on account of the tendency of cast-iron plates to warp. The malleability of lead would render it a desirable material for roofing purposes, were it not for its weight. It is now chiefly employed for gutters, ridges and hips. The Romans made extensive use of copper, or rather bronze, for roofs, magnificent specimens of which may be seen at Rome. But as such roofs are almost never constructed at the present day they call for no description here.

Wood roofing materials comprise thatching, boards and shingles, cloth, tarred-paper and cardboard, bituminated or not.

Let us refer briefly to a system which has been recently quite widely adopted for cheap structures, namely, roofing in leather and bituminated cardboard. It is valuable for covering sheds, storehouses, shops, etc., and much use has also been made of it in the construction of soldiers' barracks. It is not our object to advertise it here, but merely to suggest it to architects who are liable at any time to be called upon to devise cheap ways of building the dependencies of country houses. Roofs of this kind are easily laid; the work is of course begun at the gutter (Fig. 9); the strips are unrolled parallel to the ridge, so as to lap ten centimetres and are nailed in place;

Dimensions of the sheets before corrugation.	Thickness in tenths of millimetres before galvanizing.	Approximate weight of the sheets after being galvanized.	Corrugations of 0.076 m.		Corrugations of 0.100 m.		Corrugations of 0.135 m.		Price per 100 kilos.
			Dimensions of the sheets after corrugation.	Approximate weight of the square metre covered.	Dimensions of the sheets after corrugation.	Approximate weight of the square metre covered.	Dimensions of the sheets after corrugation.	Approximate weight of the square metre covered.	
1.65 × 0.65	4/10	4.50 k.	1.65 × 0.59	5.50 k.	1.65 × 0.55	5.85 k.	1.65 × 0.60	5.30 k.	62 fr.
	5/10	5.30		6.45		6.85		6.25	52
	6/10	6.10		7.45		7.90		7.15	50
	7/10	6.90		8.40		8.95		8.10	48
	8/10	7.70		9.40		10.95		9.10	47
	9/10	8.50		10.35		11.03		10.05	46
	1 mm.	9.30		11.35		12.10		10.95	45
2.00 × 1.00	6/10	10.50	2.00 × 0.91	6.50	2.00 × 0.82	7.10	2.00 × 0.91	6.80	57
	7/10	12.50		7.45		8.10		7.80	55
	8/10	13.50		8.40		9.10		8.75	53
	9/10	15.30		9.50		10.20		9.95	52
	1 mm.	17.30		10.55		11.30		11.05	51
		18.50		11.45		12.35		12.10	50

a coating of boiling gas-tar is then put on and sprinkled over with fine dry sand. The whole is kept in repair without difficulty by simply recoating and resanding from time to time.

Oilcloth and painted or gummed cloth have also been tried for roofing purposes; they are good materials for small sheds; a pitch of 30 or 35 degrees is all that is required for them. Tarred paper is quite frequently used on temporary structures; and for some time tarred cardboard has been extensively applied with apparently satisfactory results; it is laid on light open lathwork. Cloth stretched on cardboard and bituminated, bituminated cardboard, and asphaltic felt are likewise used; the last is of English invention.

In conclusion, we will say that the following are requisites of every good roofing material:

(1) It must exclude moisture which rots wooden framework.

(2) It must be capable of withstanding the force of the wind and must admit of provision for all expansion and contraction consequent upon variations of temperature.

(3) It must not overweight the trussing so as to necessitate increasing the size of the supporting timbers.

(4) It must be fireproof.

(5) The original expense should be consistent with the purpose which the construction is to serve.

(6) It should require but little care.

We have aimed at clearness and conciseness in this study, while it has been our endeavor to omit no details that might be of use to our readers. A. ROSPIDE.

SCALES AND IMBRICATIONS.[1] — III.

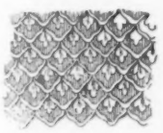


Fig. 49.

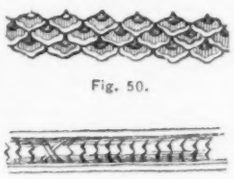


Fig. 50.

Fig. 51.

Fig. 52.

TREFOILED, Festooned, and Lambrequined Scales. — By these terms we mean scales the outside contour of which is carved either by projecting or re-entering lobes or formed with skilful juncture of straight or curved lines. They are richer in aspect than the preceding ones, because the simple shape has been replaced with another more lively and light in contour; consequently they are in more daily use: sometimes they are simple, sometimes bordered and sometimes ornamented. Those which were most in use formerly, have been regular imitations of the simple scales; they are called trefoils. They have their oldest known example in a Sassanide capital at Bi-Sitoun (Fig. 49). We see them in many cases distributed as backgrounds or as borders in the arts of the East, and especially among the arts of the Chinese (Fig. 50). Finally, from the eighteenth century, they have been used extensively in cabinet-making, as is seen in Figure 53 taken from a piece of furniture by Boule.

From the natural division into three parts, to an odd or even series of regular notches or festoons, there is but one step, which can be easily passed over by the decorator. This latter step, which is to create festooned scales, really alters nothing — it simply lightens and adds finish; so that almost at the same time and among the same people the first specimens of these scales present themselves. They are specially indigenous to Oriental countries — in

Fig. 53.

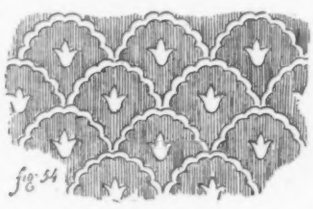


Fig. 54.

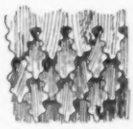


Fig. 56.

India we meet them on vases of metal, like the one at South Kensington (Fig. 54); in Japan the skilful decorator of stuffs obtains by these scales a light network of lace, strewn with small designs which repeat themselves every three ranks, as on this sample exhibited by M. Bing at the Central Union of Decorative Arts (Fig. 55). They seem to have been ignored during the entire antique period, and are to be seen neither in Egypt, Greece nor Rome — we must reach the time when slates were used as roofing material in order to find that type, newly invented, as it were, by the architects of the Middle Ages, when they sought to decorate as well as protect the beams or wooden sides of houses, as at Rouen (Fig. 56) and in many western towns.

It was reserved to the modern epoch to transmogrify the scale by forming it with a series of curved lines alternating with straight; and carving it in imitation of the outline of the stuffs used by the upholsterer for hanging canopies; in short, by shaping it like a lambrequin. Then numberless combinations appeared, which were destined to attain still more of luxury and richness; they are only profiles, with notches, carvings and stripes; the centre was ornamented with paintings, embossings, even with flowers or cut with the jig-saw, according to the material of the scale, wood or zinc. A few examples will suffice to demonstrate what is done every day, as well as the great variety and numberless resources of which the architect may avail himself; consoles, jewel-cases, and above all, roofs (Fig. 57).

Fig. 55.

Scales called German. — This particular kind of scale came from the mere fancy of the slate carver, in his endeavors to break the monotony of roofs; it is a compromise between the scale carved like a lozenge and the one formed with arcs — its point or tooth is composed of a straight line on one side and a quarter of a circle on the other (Fig. 58). It is generally used plain, although its capricious shape would welcome a border of lines, or bands; or spots instead of flowers or leaves.

Polygonal Scales. — Under this title we include all scales, the outline of which is bounded by straight lines and the outlines of which are obtained by means of a rectangular, hexagonal or other net, placed either horizontally or diagonally. These different kinds are well-known and have been in use a long time for the arrangement of the tiles, slates, or shingles which cover roofs, or the small pieces of metal which ornament the upper parts of silverware. Of course, we do not speak about the common way of arranging flat tiles, the

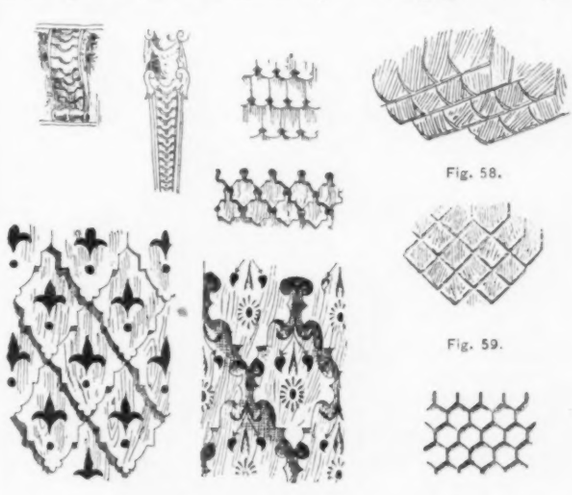


Fig. 57.

Fig. 58.

Fig. 59.

Fig. 60.

tegulæ of the ancients; they are geometrical combinations with uninterrupted points, and bear no relation to the ornament which is the subject of this study. In fact, polygonal scales, whatever the adopted shape may be, are really scaly plates, grouped like those on certain fishes with which some of the styles have many points of contact and analogy, especially those classified by the savant Agassiz as ganoïds and placoïds. The simplest have the extremity shaped in regular points like saw teeth, so that when united, the foot, that is

[1] From the *Revue des Arts décoratifs*. Continued from No. 855, page 103.

the part that is visible after fastening, forms either a net of squares or lozenges, presenting a sharp edge (Fig. 59), or a series of regular hexagons (Fig. 60). Sometimes the workman cuts off the angles, in the shape of those on the pinnacle of Notre Dame de Paris, fourteenth century (Fig. 61), or unevenly, in order to form a series of broken lines (Fig. 62).

Interrupted Scales (or Alternated). — The features of those scales like the following have no relation with the shapes or embellishment

Fig. 61.

Fig. 63.

Fig. 64.

of the elementary type, except in the way in which they may be grouped or presented; therefore, they are the result, either of the natural need of variety in the borders and plane surfaces, or the use of certain materials in construction.

In the present case, the necessity of breaking large surfaces entirely covered with scales, brought forward systems interrupted by the presence of an important, though secondary design, brought out either by alternation or intersection. In Greece and Rome this method was used often to vary the scale ornaments of mouldings, shafts of candelabra, etc., (Fig. 63). Later on, simpler ways of making them are to be found on the monuments of the Gothic and Renaissance epochs. On a straight roof, here and there, the architect used some scales to form a quincunx (Fig. 64), in order to cut the horizontal lines of the common roofing; or a band or stripe of scales like saw teeth (Fig. 65); on turrets, oftentimes, he has interrupted the system of scales by a horizontal row of rectangular slates, and this as much for the purpose of decoration as from necessity (Fig. 66). It was this necessity and these processes that gave birth to bands, borders and squares (Fig. 67, roof of the palace of Granvelle, Besançon), etc., which have been already pointed out as successful means of enriching and enlivening the large roofs of important buildings. Finally, after the sixteenth century, this principle was applied variously, through numberless creations, both of small and large proportions. Illustrations of this can be seen everywhere. Here are two: a moulding at the base of a piece of goldsmith work (Fig. 68), by V. Solis, in which the envelope of scales is broken by the presence of a leaf introduced at regular distances. During the golden age of the ceramic creations of Rouen, marlies were exceedingly common, edged with scales, and alternated with flowered panels as well as with ornamented scales with sparkling borders, seemingly used like small pilasters, or the dies of separation of balustrades (Fig. 69).

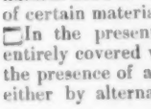


Fig. 62.

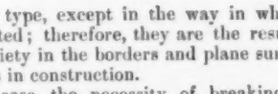


Fig. 65.

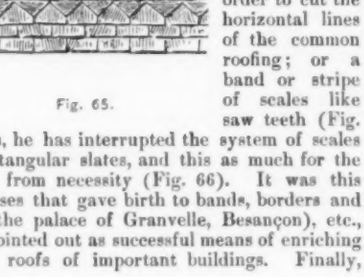


Fig. 66.

Interpreted Scales. — These are imitations disposed or arranged in bands without overlapping, originating from the transfer to stone of the old wooden shingles by the architects of the Middle Ages, especially in Normandy, l'Ile-de-France and Picardy. They seem to date from the beginning of the twelfth century, and were used to decorate roofs of stone, vanes, pinnacles, the slopes of battlements and buttresses, etc., as well as some fronts or facings of the backgrounds of arches. Among the shapes adopted, some indeed recall scales, as these indicated by Viollet-le-Duc, taken from the stairway of the tower in the church of Eu (Fig. 70), or those with arcs accompanied with straight parts (Fig. 71). In general, the other decorations are simple borders formed by designs entirely foreign to scales, primitive types, as redans and denticles (Fig. 72), saw teeth (Fig. 73), striped arches (Fig. 74, taken from the Cathedral of Amiens), and ornaments called by some authors, "contra-imbrications." All these arrangements are made normally; that is, the ranks overlap each other, as indicated in (Fig. 74), so as to facilitate the running of water and the melting of snow. There is one strange exception, however, which should be remarked. Strange and odd to a degree it may appear at first, but we do meet with monuments, and in particular the cone of the belfry of the Abbaye des Dames at Saintes, on which the interpreted scales are reversed and point up into the air almost vertically. Thus a carved surface with a brilliant and picturesque effect is obtained, yet the spectator can hardly understand at first sight, the practical side of this ornament; it is difficult to convince oneself that rain water is not retained, and how it was not noticed that therein lay a grave defect in the construction. Then he approaches closer, and he realizes with what

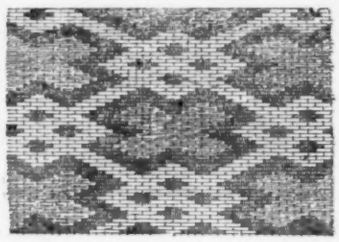


Fig. 67.

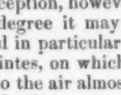


Fig. 68.

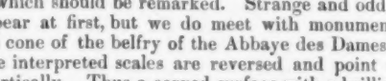


Fig. 69.

sagacity and skilfulness the architect has managed, by a cunning artifice, to render this novel and unaccountable disposition as good as any other. In fact he took care to leave between every scale (Fig. 75) a slight interval, forming a canal through which the water runs, either on the sloping plane of the conical back, or on the full and also sloping part of the whole scale.

Scales, as well as other elementary types of ornamentation, were also used as bases of sketches by the decorators, on which to create

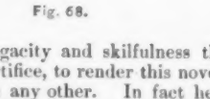


Fig. 70.

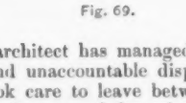


Fig. 71.

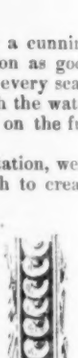


Fig. 76.

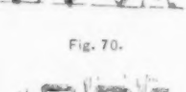


Fig. 72.

Fig. 73.

Fig. 77.

Fig. 74.

Fig. 75.

new combinations, from the remotest times even till to-day. But these derived ornaments, deserve a special chapter for each one of them; so we will restrict ourselves to pointing out only a few of the best known: the *piecettes*, (Fig. 76), and the group of imbricated leaves (Fig. 77), which so frequently ornament the shafts of columns, the upper parts of cornices, the moulding of laurelled bases, etc.

Allow us also to point out this graceful decoration, of extreme simplicity, inlaid work carved on a light but firm net, and sometimes vibrating under the blue of the sky, or at other times mirroring the the deep and cool green of the grass and trees. L. PASSEPONT.

CANADA

ANNUAL MEETING OF THE ROYAL SOCIETY OF CANADA. — THE LATE T. STERRY HUNT. — CANADA'S PREPARATION FOR THE CHICAGO FAIR. — MINERAL RESOURCES.

THE Royal Society of Canada has been holding its annual meeting at Ottawa again, contrary to expectation, as the last year's city council of Toronto extended to the Society at its meeting last year a cordial invitation to assemble this year in Toronto. Unhappily Toronto is burdened with a new council (elected upon a new arrangement of wards) that has some peculiar notions as to its responsibilities. It has thought nothing of going back upon its word to a capable city-engineer, which resulted in his resignation, and did not hesitate to impute mercenary motives to its consulting Q. C., who threw up his brief in consequence, and has since been the recipient of an apology from the corporation for the manner in which this august body had treated him. This being the method of this present council of treating the gentlemen whom it employs for the undoubted good of the city, it is not surprising that it treated with apparent contempt the invitation of its predecessors to a body of scientific men to come to the city and hold their interesting and valuable sessions, the interest and value of which the individuals who form the council appear to have been unable to understand. Shall we ever in this life get together the proper kind of men to entrust with the affairs of cities? Why are aldermen, as a rule, so unfitted for their positions? They are generally ill-educated, rarely gentlemen, in whatever way you like to take the word. They get into the corporation because they think they will be able to better themselves by the name of alderman. They prove altogether a snare and delusion, and he who has any business transactions with them generally (to say the least) has good cause for regretting he ever came in contact with them. So the Royal Society of Canada fell back upon Ottawa, where, of course, it was received with open arms, and the members had little cause to regret the action, or rather inaction, of Toronto's new council.

The President, Abbé Laflamme, gave a lengthy address which dealt principally with the deaths of distinguished members of the society during the past year. They were two in number — Abbé Provencher and Dr. T. Sterry Hunt, the latter a particularly well-known man in Canada and the United States. Dr. Hunt was in some respects a peculiar genius and began his scientific career early. He was only nineteen years of age when the results of his first scientific researches were published. He was born in the United States and died there, but the best part of his life was spent in Canada. He received titles from the Universities of Harvard, Laval (Quebec), McGill (Montreal) and Cambridge, and was a member of a large number of scientific societies throughout the world. He was an officer of the Legion of Honor, and of the orders of St. Maurice and Lazarus, Italy, and was elected a member of the Royal Society of England in 1859, when no more than thirty-three years of age. He held for six years the chair of geology at the Laval University, and subsequently at McGill University, Montreal. At the time of his death he was engaged upon a great work on "Systematic Mineralogy," and often expressed the wish that he might be able to complete it before he died. His death occurred in February of this year.

Abbé Provencher was the first Frenchman in Canada to take up the work of botanical research, and for no less than twenty-two years he edited the *Naturaliste Canadiene*, a monthly magazine devoted to his particular hobby.

Professor Fletcher presented the report of the Council, which contained long descriptions of the work done in all branches, especially tidal observations, telegraphic determination of longitude (jointly carried on last year by the governments of England and the Dominion). In reference to this the report stated that the mean time of some one hundred trials between Canso (Nova Scotia) and Waterville (Ireland) and back, a distance of some 8,000 miles, was one hundred and five seconds. Further observations are to be made this summer.

Fourteen affiliated societies in the Dominion reported by their representatives concerning their investigations in the past twelve months.

Papers were read upon the following subjects: "Archæology of the Assiniboine R., etc.," "Annals of Nova Scotia Currency," "The Diffusion and Sequence of Cambrian Fauna," "The Literary History and Nomenclature of Canadian Ferns," "Notes on Land and Fresh Water Mollusca of the Dominion," "Sponges of the Pacific Coast and Behring Sea," "Illustrations of Fauna of St. John's Group," "Observations on Geology of Southwestern Nova Scotia," "Artificial Propagation of Marine Food Fisheries and Edible Crustaceans," a valuable paper treating on the pisiculture of Canada, the United States and Europe generally, "New Plants from Anthracite Northwest Territory," "Application of Poison to Plants," "Hibernation of Lower Animals," and "Canadian Copyright."

The Governor General, Lord Stanley, was present at the opening meeting and afterwards entertained the Society at a garden-party at Rideau Hall. Mr. Sandford Fleming, President of the Canadian Society of Civil Engineers, also had a garden-party to which the members were invited. The only meeting to which the public were admitted was one held in the evening at which Professor Mills of McGill College read a paper on the subject of Science in Schools. It was still a question as to when, what, how and how much. He considered a rigid curriculum a mistake because probably no two children in a school would have the same bias, and book teaching of science in any branch he held to be useless. Object-lessons should begin in early childhood but the student should be the investigator and that voluntarily, and for this purpose museums were of the greatest advantage. For a detailed account of all the meetings and proceedings of the various Sections of the Society we must await their published reports. The officers elected for the ensuing year were: President, Dr. Bourinot, C. M. G.; Vice-President, Dr. G. M. Dawson; Secretary, Prof. James Fletcher, and Treasurer, Dr. Selwyn, all of Ottawa.

The Dominion Government is taking active steps towards the good representation of Canada at the Chicago World's Fair, and the work is being taken up with interest by the Boards of Trade in all the larger cities. The exhibits will represent natural productions, manufactures, arts and scientific instruments and agricultural implements, and in every way the resources of Canada will be exhibited as fully as possible. The Royal Canadian Academy of Artists have secured a hanging area of 2,895 square feet in a conspicuous situation divided between two adjoining rooms with floor-spaces of 30 feet by 36 feet and 30 feet by 30 feet respectively, and are happy in the fact that their exhibit will be larger than that of the majority of other countries. The Ontario Government is busy in arranging for the exhibit of minerals and in this branch the specimens will certainly present a larger exhibition than has hitherto been seen on the continent: diamonds and many other precious stones, silver, quartz and gold ore, iron, mica, asbestos, nickel and almost every conceivable mineral. The building-stone will also be well shown and in this particular Canada will stand well beside any other country. The Canada Copper Company of Sudbury offer to send a collection of specimens of nickel ore "that will make the visitors at the Fair open their eyes." In the last few years more has been done to develop the mineral resources of the country than ever before and great progress has been made with the work. The riches of the Dominion are, however, only beginning to be known and one result of the exhibition will probably be to make the mouths of the United States annexationists water more than ever. Part of the Canadian exhibit will be a map of the Province of Ontario similar to an immense map that has been prepared for the exhibition at the Imperial Institute in London. The mammoth colored map is surrounded by a border containing the arms of the various cities and on the margin is printed a great amount of information on mining, agriculture, etc.

SAN FRANCISCO

ART EDUCATION. — EXHIBITION OF THE ART ASSOCIATION. — INSTRUCTION ATTEMPTED BY THE MECHANICS' INSTITUTE.

THE facts in regard to our art progress compel us to be modest, for when we look around, we are obliged to admit that as yet we have only entered the stage of desire; for whether it be in architecture, painting, sculpture or what-not, we are lamentably at a loss to find examples that would justify us in the conclusion that we are an artistic people. But we know that in the future we shall be.

Although we all know that schools of art will not make artists, still we recognize the fact that one is productive of the other. "Ceres may sow and Fluvius may water, but God alone can bring forth the fruitful grain" is indeed true and although we may plant schools of art throughout the land, and rain the gentle dew of the millionnaire's ducats upon them, unless there continually hover over the temple of art the Spirit, we will give to the world but the dry bones of art, namely the drawing, the color and the canvas, but the spirit will be absent.

As means to an art education, we have in San Francisco the "Art Association" which is an old institution, and one which is entirely

self-dependent, having fought its way upward unaided by gift or endowment through the twenty years that have passed. The Association provides all the necessary instruction from the putting of a cube in perspective to the painting of the head of a Madonna, and if it be the case that we bring forth but few artists, it is not because we lack opportunity of acquiring a knowledge of technique.

Still there are many among us who have a suspicion that it is necessary to go to Paris or somewhere to learn the mysteries of the art. It is a mistake. For one has to reach a certain stage of advancement before the higher school is of any benefit to him and few indeed of our local students or artists have progressed so far as to have reached that higher stage of receptivity that would make their study under more advanced teachers useful to them.

Viewing the work produced by the students from year to year one is struck more particularly by the low range of standard, as regards the choice of subjects, than by the lack of skill displayed in the execution. As one enters the gallery, the impression produced at first glance is that of a vegetable and fruit market, for all around canvas after canvas vies with its neighbor in expressing the soul of some would-be artist in the embodiment of a musk-melon, an assortment of onions, or a string of fish and so on. Once in a while the imagination will take flight ethereal and in the thin air of the higher heaven will catch the vision bright of ale mugs with their amber-colored draught overflowing, and pipes lying crossed, in peaceful stillness. Or the student will gather from the garden its choicest flowers, crowd them together till they droop from lack of breath, and, painting them, imagine that this is art.

But for myself, in daily conversation, I do not stop to contemplate the briming ale mug or the sense-destroying pipe (except on canvas), or even the melon gashed in two, the dealer's onion-covered floor, or fowls, of feathers destitute, dangling in mid-air. Those things delight me little, although I do not say, not at all. They are, however, well done, and perhaps it is better that these mean things should be splendidly represented, than that the splendid things of life should be meanly executed — but I doubt it.

With the exception of the still-life studies, the work of the students is at least mediocre if not actually weak, the latter, I think is more just. Water-color is not attempted at all and landscape but little and very feebly, and drawing from the cast looks labored throughout. I turn from the student to the artist full-fledged.

In the beginning of last month, the Association gave its annual spring exhibition and it consisted as usual of about one hundred and fifty canvases. Yes! That is the word; so beautifully indefinite that nobody can be offended.

The subjects embraced those found always at such exhibitions, realistic, idealastic, still-life and life animate, but of all these one hundred and fifty there were scarce a dozen worthy of mention; the rest, except as a means to an end, as stepping-stones to higher things, would scarcely rank above the mechanically-produced picture that one can buy anywhere for a few dollars.

In the studio as well as in the draughting-room it is the same dishonesty that destroys all our endeavors; we are continually trying to appear what we are not by copying others, and as a well-impersonated hero of the mimic world cannot impress you as a hero in real life, so this mimicry of art ends also in weakness, where, indeed, it has its beginning.

The battle in which Turner was so good a soldier is by no means won, for, judging by these pictures, there are many still who dread to come in too close contact with nature, lest, perchance, they become plebeian; and so they sit among the luxuries and unrealities of life, between a heavily carpeted floor and a gilded ceiling, and imagine that from these surroundings they can inhale the breath of life and expirate the ideal in art — the ideal which is the prophecy of things to come.

Sad indeed would we have come away from this representation of things mysterious — forms that imply action but do not move; sunshine without shadow, and many things surpassing strange — had not one been allowed to return once more to the earth we love, the common earth with its daisy field, its soft blue sky and warm sunshine, and in the midst of all and above all a simple maiden in her charms, with hands crossed behind her head, standing erect, drinking her fill of the sweet spring air, and with eyes fixed far away both in their looking forward into space and backward into the holy of holies of the heart. From this artist (Mr. Mathews) we have several other canvases, but this is the best, although perhaps not the most ambitious. The others fail because they remind us of the artist, and bring to our minds the idea of effort, which should be lacking in a great picture.

Mr. Keith, whose name is well known, has several pictures, but they are not equal with his best. He seems to paint California as it is seldom or never seen. Perhaps, like Dickens, instead of giving us a synthesis of nature, an essence, a composite forming an ideal with strong characteristics, he prefers to give us the abnormal, an analysis or separation of parts. At all events his pictures are particularly green: huge oaks that frown like elms, and have a turbulent air about them that reminds one of those trees that tossed their giant branches when the heavy night hung dark the woods and waters o'er, as described by Mrs. Hemans. Neither his trees nor his grass have any of that strong sunlight that turns the green to gold and makes the grass-covered glades pale as the bursting leaves of spring. His skies are great rolling clouds that continually threaten but do not rain, and his forests are cold and damp, which in their way are all right; but are they Californian? They remind me, I must say, of colder countries, and I have a suspicion that they remind me also too much of one another.

Mrs. Chittenden is evidently as much of a flower as she is of a woman, for she appears to require no more effort to produce chrysanthemums on canvas than the natural plant to grow them in the garden of the florist. Convolution follows convolution, and curl, curl, color blending and harmonizing with color until the canvas glows again.

It has been said, and by one whose words are more precious than rubies, that a man cannot be a great architect who is not either a painter or a sculptor, and whether or no this be strictly true, we, at least, are conscious of the fact that architecture and these arts are so closely allied that the one may be said to be the measure and mirror of the other. Success in the one is concomitant with success in the other. We are, therefore, sorry to find that in San Francisco these children of one mother should so fail to recognize their kinship. At the exhibition referred to, sculpture found a place in the form of several busts executed by Mr. Rupert Schmit, a clever sculptor of this city. But architecture, no! not a single drawing.

No wonder people look at you incredulously when you say that between architecture and painting it is hard to determine which is the greatest art, for apparently architecture here, by all except a few, is looked upon as one of the technical arts.

As I have said the facilities for learning painting are sufficient, but for architecture we have as yet none. From time to time, during the past few years, attempts have been made in a more or less futile manner to establish evening classes where students of architecture could learn that which cannot be learned in an architect's office. The superficial reasons for such failure are many, viz, the semi-private nature of the tuition, inability of the teachers, too extravagant club-dinners, etc., but the more real reason is to be found in the fact that when a man has been engaged during the day in the practice of architecture he has but little inclination to turn aside from the relaxation and amusements which the evening brings as an antidote against overwork, and again devote himself to the farther acquisition of this, his special knowledge.

Here and there will be found one or two heroic souls, giants both in desire and in strength and endurance, who will be able to work continually without breaking down or becoming weary, but in San Francisco there cannot be found a sufficiently large number to keep up the average attendance to that minimum that warrants a society's existence.

The Mechanics' Institute does something in the way of helping architectural students, in so far as it provides its members with free tuition in drawing from the cast. This is taken advantage of by about one hundred students of all professions.

During the past winter the Institute has been feeling its way in the direction of establishing evening classes in architecture and has had a properly qualified master appointed who attends two evenings in the week, but of course these things do not develop in a week or in a year and as yet it is but in a state of embryo.

Before, however, we can expect an École des Beaux-Arts, or School of Technology, as at Boston, in our city, we will have to impress upon the minds of the people the necessity of having their architects as well grounded in the principles of true building as their physicians are in the anatomy of the body or as their lawyers are in that proportion of action between man and man which is called justice.

We look at a watchmaker with admiration, because of his knowledge of the mysterious ways of a watch and its many wheels. We listen with bated breath to the opinion of our lawyer, and drink with perfect confidence the poisonous concoction of our doctor, for of these things we confess our ignorance. But Great Heavens! in our vanity we have imagined that when it comes to architecture or philosophy, these things being only matters of opinion, we can all speak as having authority; I mean having knowledge. A vain delusive thought is this, and one to be got rid of, for until we have learned to respect the cult of architecture as we do the opinion of our lawyer or the commands of our physician, we will make but little progress toward elevating the practice of architecture from its present debased position outside the fine arts, to that place which is its home among the sublime and beautiful.

Woodwork in Art.—I see it stated that Herr Natter, the distinguished Austrian sculptor, who died recently in Vienna, was in his youth a woodcarver, and by the practice of his humble craft rose to eminence in the highest of the plastic arts. Now, not a few of the best known artists of this country have served a similar apprenticeship. Sir Francis Chantrey, who died worth a hundred thousand pounds, rose from the carving of ship's figure-heads, through second-class portrait-painting, to quarry in the gold mine of his very respectable, if not transcendent talents. The first serious efforts in art of Professor Herkomer and of Mr. Seymour Lucas were made with the gauge and chisel on a block of wood. James Burnet, too, practised as a woodcarver, and Opie professed the baser craft of a carpenter, and Romney of a cabinetmaker. It is only another illustration of the truth that to the real artist the medium is nothing — nothing but a means to reach a higher end. — *London Graphic.*

THE SALON AUX CHAMPS ELYSÉES.

THE *Salon* at the Champs Elysées is this year tame enough. At the first glance it seems quite mediocre, and it is only by returning to it again and again that one discovers here and there some works which fairly surpass the common level. Rochegrosse is missing, who last year made the exhibition resplendant with his magnificent painting "Death of Babylon," which they say cost him 35,000 francs for expenses of all kinds. No artist this year has indulged in such extravagance, and the public cannot be carried out of itself in praise of a work of unquestionable originality. Besides, the public to-day is rather difficult to please, spoiled by talent which is widespread enough, or troubled by the divergencies of rival schools, which drag it hither and yon in every direction and over paths which are not always those belonging to good taste. In matters of art, we are evidently in a transitional era, where the searchers who are called impressionists, symbolists, independents, etc., have yet found nothing, or very little. Their attempts are, nevertheless, interesting, since there is an effort towards new things, perhaps even some degree of progress. Unfortunately, they wish to impose these attempts upon us as new and indisputable formulas. I really believe that there is some exaggeration here, and I am sure that half the public which welcomes these productions does it as a mere matter of fashion and posing.

Just as in former years, I am going to pass rapidly in review the remarkable works, or rather the works most remarked, which is not quite the same thing. I shall do this very quickly for what interests us here are the great decorative or historical paintings, and they are few and far between at the *Salon* of the Champs Elysées the superiority of which rests rather on its portraits and landscapes. I am not going to say much to you about portraits, yet I will make an exception for that of Pope Leo XIII, which must become of historic value. As to the landscapists (the masters of the French school) I would equally have to limit myself to a list of names which would be too long and without much interest. I spoke just now of the trouble which overwhelms the public when confronted with these new manifestations of art. This trouble gains upon the artists also. M. Benjamin-Constant until now has camped amid Oriental scenes, and the brilliant tones of his palette depicted gold and gleaming jewels; strong shadows and half-tones gave value to the clear and brilliant tonalities. In a word he used to make use of oppositions, which are necessary and indispensable in art, but which the artists of to-day try to suppress. Haunted by these modern ideas M. Benjamin-Constant has created for the ceiling of the Salle des Fêtes of the Hôtel de Ville an unfortunate attempt after the methods of M. Besnard, entitled "Paris inviting the World to her Fête," a composition which is harshly rendered after the impressionist manner. On a background of strong blue, with violet below, a woman, habited in the style of Louis XV, represents Paris seated upon a cloud, sending out a herald blowing his trumpet to invite the world to her festivities. A woman, coifed with wild poppies, accompanies this messenger. These personages, clad in yellow stuff, hasten over violet clouds. All these crude colors clash one against the other, rather than mingle together. The chief personage, the herald, has an ungraceful pose and is brutally drawn. The ceiling, whose final effect cannot be properly judged at the *Salon*, gives the impression of an enormous sketch, or one of those brilliant posters without a saving grace which Charet has accustomed us to. Judged under the influence of the electric light it may produce perhaps a less disagreeable effect. But it will always lack those qualities which one has a right to demand in decorative painting intended for such a building as the Hôtel de Ville. As it is, it would do well enough for the trumpery decoration of a charity fair, which was to be packed up aloft in a few days.

M. Aimé Morot also has been intrusted with designing a ceiling for the same building. He has chosen as his subject the French Dances in times past. Upon clouds, which begin in the foreground and deepen in tone just as they do in a modern theatre, in which real people dance, four couples placed at equal distances from the one behind them, represent the dances of different epochs since the eighteenth century. The gradation of the tones is delicate, and the result is brilliant, but the clouds are anything but nebulous. It is, however, true they have to bear up a certain number of dancers.

Still another ceiling for the Salle des Fêtes of the Hôtel de Ville is by M. Gabriel Ferrier. This one, styled "Flowers," ought to have been charming, but it is commonplace and only passably agreeable. Women bear aloft baskets of flowers (and these women ought to have more grace). There are only three of them, and yet they take too important a place, and the flowers are not important enough. The central figure, which alone is seen at full length, is clothed in a strip of coarse cloth, which ungracefully envelopes her body. Of a truth, this poor Hôtel de Ville will exhibit an extraordinary mixture of paintings. At the side of the five works of M. Benjamin-Constant, will be seen the knowing and classic figures of M. Ehrmann, styled "Brittany" and "Auvergne," personified by two peasant women, ably drawn, and rendered with much robustness of treatment. This painting is a little cold, perhaps, but it has the effect of furnishing the space (if I may be allowed so to express myself). It is easy to see that M. Ehrmann is a decorator, and that he has composed many subjects for tapestry-workers. In a certain school there seems to be an attempt to thrust back any decorative painting of allegorical subjects, and to make use of modern and popular scenes. Perhaps this is not a bad thing, yet care must be taken not to fall into vulgarity and mere triviality, as has been the case with M. Debon, who exhibits a great painting intended for a *mairie*. M. Debon desired to express his ideas of what constitutes the family, labor, exercise and repose: workmen leading horses, handcarts, a woman of the people carries her poorly-clad infant and, farther away some boatmen are putting their canoes into the water. This subject which is not particularly modern, is treated in a rather vulgar manner. The attitudes lack suppleness and the drawing is stiff; and this is to be regretted, for the general color-effect is good and clear.

M. Bellery-Desfontaines and Olivié Bon have also drawn their inspirations for the tympana of the Hôpital de la Charité from quite commonplace subjects. The first one represents a doctor listening to the breathing of a patient. The second shows us two gentlemen employed in vivisecting an unfortunate hare, bound on a table covered with phials and instruments. These are not just the pictures to enliven the sick room, but this is the fashion now-a-days. To-day all artists are sad.

Another ceiling by M. François Flameng is for a private house. It is of course impossible for us to judge fairly of this kind of work, which is intended to be seen overhead in a horizontal position, and yet at these exhibitions is shown vertically. The gods of Olympus at their ordinary occupations adorn the borders of this ceiling, the centre of which, representing the heavens, is divided by the signs of the zodiac. This *milieu* seems a little barren, and a stag, pierced by one of Diana's arrows, falls out into space with a disquieting appearance of reality, which will only be increased when the ceiling is in its proper position, when one must apparently take some pains to avoid having it fall upon one's devoted head. The general effect is clear, but the workmanship seems slighted. But, as I said before, it is necessary to see such things in their place before passing judgment on them. The same artist exhibits a tryptich of modest dimensions, which is quite charming. It is a halt, or repose in Egypt. In the centre the Virgin, St. Joseph, the Infant Christ, and the ass, are resting on the bank of a quiet river, which reflects the white walls which rear themselves upon the opposite bank. On the right and left are angelic visitors, playing and singing sacred music. A gentle twilight envelops this calm and restful scene.

I have still to mention in the way of decorative paintings two pretty landscapes by Le Liepvre and Zuber. The first represents cattle crossing a broad pasture upon the banks of the river — a very pretty effect. The second is entitled "Winter." It shows Carpeaux's fountain in the *allée* of the Luxembourg. In the foreground are the evergreen hedges covered with snow. This panel is intended for the factory at Beauvais, and will certainly make a very satisfactory piece of tapestry. The Casino de Royan will not make much of an acquisition in M. Calbet's decorative panel entitled "Youth." Here are two young girls clad in loud colors, which make the livid tones of their flesh stand out startlingly, dancing about, holding one another's hands. It is fitting decoration for a *café concert*, as commonplace as that of M. Moreau-Neret for the ceiling of a railroad hotel. In this is seen a woman seated upon a cloud in the centre, while about the cornice straggles an ordinary trellis-work with flowers and doves, while at the angles are personages who represent the Chase, Fishing, Harvesting and Vintage.

Let us pass quickly to the success of the *Salon* — M. Détaille's painting, "Scene During the Campaign of 1815: General Barbanègre, with hardly two hundred men, heroically defends Huningue against 30,000 Austrians, and only consents to abandon the place August 26, 1815, 'with the honors of war.'" When the Archduke John saw General Barbanègre appear at the head of a mere handful of fifty men, he asked, "Where is the garrison?" "*La voila*," replied Barbanègre with pride. At this an impulse of admiration seized all the spectators, and as one man they saluted this little group of heroes; and the Archduke John, surprised and profoundly moved, expressed to their chief the high esteem which the conduct of the men inspired in him. It is this page of our history that M. Détaille has brought before us. Between the Austrians who salute them the brave, wounded and conquered soldiers are defiling, conducted by two drummers, one young and the other old. Their uniforms, torn and spotted, "swear" alongside the too-brilliant uniforms of the Austrians. Although these men are conquerers, they are really engaged in warfare, they are not exhibiting themselves at a review, and the extreme neatness and correctness of their attire is much too exaggerated. M. Détaille's talent, as everybody knows, lies in the minutiæ of things, just as did that of his master, Meissonier, and this peculiarity becomes a defect in a work of large size like this one. It would be fair to accuse the artist of not having laid sufficient stress on the emotion which was excited by the incident itself; but the details

are perfect, physiognomies well studied, and the composition well balanced. The decoration of the background, the doorway of the château shattered by bullets, with its slopes broken, is very soberly but successfully brushed. This painting, which belongs to the State, will surely remain one of the important pieces of work accomplished by this artist.

Alas, after him we find few things worth the trouble of pointing out. "The Entrance of Louis XVI to Paris," by M. Tattegrain, is far from having the same interest. This painting, acquired by the City of Paris, is of large size, but the personages are not proportionate to it. They are small and meagre, crowded one against another, and the composition is heavy. I prefer Mr. Bramley's work, who sends a painting which has attracted the notice of artists. A child's coffin, carried by four young girls in white, is preceded by a little girl also in white, singing. Behind come the father and mother in their mourning. Behind them again we have a glimpse of the sea. Children look on at the passing little procession with an indifferent air. Throughout the whole painting there is an abundance of sentiment, and the atmosphere is good.

I must not stop for the many charming landscapes at the *Salon*. Nevertheless, I cannot avoid naming MM. Quost, Bourgogne, Vayson, Quignon, Gagliardini and Pelouse (dead, this last one) who are best and most charming of the lot. The others who have talent are innumerable, but talent of another kind. I find few among the artists whom we see every year who have not this year sent paintings, if not equal, yet at least of the same value and interest as in former years. Our painters do not make great changes in their mannerisms, and they all repeat themselves in a most disheartening manner. I will say a word, however, of the portrait of Leo XIII, by M. Chartrain, which was widely expected, and there is always a crowd before the painting, the engraving of which is already seized upon. The Pope is seated in a red armchair with a high back, which stands out against a background which is also red. He is clad in white, with a red mantle thrown wide open. The right hand, with its long and slender fingers, is decorated with a ring set with a precious stone, and is supported on one of the arms of the chair. The countenance is smiling, but not without a spice of malice. The eyes are penetrating and gaze at you openly. It is far from being a commonplace face. It is vivacious and intellectual. The general air has the inevitable stamp of its official character, but there is no stiffness about it. All the reds, themselves sober in tone, harmonize together perfectly. The white of the robe is soft, I was going to say oily. Taken altogether, it is a fine portrait.

I do not like to leave the paintings without paying my respects to American exhibitors. Amongst them, Mr. Knight, whose work was noted last year, exhibits this year a pretty bit of *genre* painting, "First Grief" — two little peasant girls exchanging confidences. It is a clear and graceful bit of work — too much so, perhaps. Peasant girls do not have such delicate flesh-tints, and the countryside is not so tidy. It is a little sentimental, but it is agreeable enough to look at. Mr. Walter Gay, of Boston, will not be so much noticed as last year. His "Mass in Brittany" shows a corner of a church, in which men and women are praying. The countenances are well enough studied, but the lighting is a little crude, and the women's caps make too many white spots throughout the picture. "Grandfather's Story," by Mr. Leigh, ought to be a very interesting tale, for a little boy and girl who are listening to it seem to be enchanted. It is a good bit of painting of its kind. I cannot mention all of the forty-three American exhibitors whom I discover in the catalogue. Many of them do not make themselves conspicuous in any way. Mr. Frederick Melville Du Mond exhibits a painting in classic line, called "The Legend of the Desert," in which he proves that he is more of a colorist than a draughtsman. Mr. Mosley always confines himself to Breton subjects. His "Wedding Breakfast" is well composed, details studied and no one person is neglected, yet each figure holds its proper place. It is a conscientious piece of work, and amusing. Mr. Clarke exhibits "A Night in Morocco," which is worthy enough. There is in this painting a curious effect of light, extremely well rendered. But it is a Bostonian, Mr. Pearce, who excels all his competitors. He exhibits a portrait of Mr. Bartlett and an "Annunciation," which is full of quality: the angel Gabriel, clad in white, descends to the side of the Virgin Mary to announce to her the mystery. The countenance of the Virgin, perhaps a trifle too young, has a very delicate profile and a charming expression, at once innocent and grave. Clad also in white, she stands out against a white wall, and all these clear tones give to the picture an expression of great luminosity and a delicate sentimentality. Boston is also represented by two artists who deserve complimenting: Mr. Bacon, with an elegant little painting, carefully done, styled "The Pilot," which represents a young woman standing on a steamer's bridge and gazing out to sea; and also Mr. Baldwin, with a *genre* subject, a little boy eating his soup while sitting at the feet of a little girl knitting. He looks at her in some apparent disquiet with a frowning air, and yet, according to the title, it is a moment of harmony. I also mention among the Americans Mr. Hamilton, who has a very fine little portrait of Mr. Gladstone, very skilfully and simply done; Mr. Hartwich, whose washerwomen in the open air make a pretty, well-lighted painting; and here is another open-air subject, by Mr. Boyden, a very pretty little landscape.

I also find it difficult to speak of sculpture without taking up too much space. I will say, however, that, as usual, this section is fine at the *Salon*, and there are few things in it which deserve harsh criticism. Among the most remarkable exhibits, M. Peynot sends a half-size fragment of the model for the monument ordered by the city of Lyons to "the Glory of the Republic:" occupying the lower part of a column, the Republic is seated at the prow of a vessel, beneath which are seen two figures, personifying the Rhône and Saône. At the left of the column is a group symbolizing the rights of man, and on the right another group representing liberty bestowed on the slave. M. Mércie has executed a figure in marble, "Regret," intended for the tomb of the painter Cabanel: a draped and standing female figure holds a palette in one hand, and with the other lays flowers upon the pedestal supporting the bust of the artist. The pose, which at once recalls the "Jeunesse" of Chapu on the monument erected to Henri Regnault, has not so graceful a movement, and the drapery lacks suppleness. The "Repose" of M. Boucher does not deserve the same condemnation. He shows a naked woman stretched at length, asleep. Her pose is charming, and the body admirable in its suppleness and the lifelikeness of the flesh. It is one of the prettiest things in the *Salon*, with the "Galatea" of M. Gérôme, who is coming to life beneath the kisses of Pygmalion. This subject is a little doubtful from the point-of-view of perfect propriety, but it is very fine as a mere work of sculpture. M. Gérôme has tinted the upper part of his Galatea a delicate rose-color, to indicate that life is yet incomplete in his statue. It is a pretty enough idea. M. Gérôme also wanted to show us a "Bellona" in full polychrome, and here he has been less happy. It has achieved only a *succès de curiosité*, and many a joke is cracked over the open mouth of his Bellona, which allows one to see a red tongue and two rows of white teeth, which are quite fit to be placed in a dentist's show-case. I will mention also Messrs. Icard and Lombard, who are distinguished by the vigor of their talent in the midst of sculpture which is generally more elegant than robust.

Now let us mount to the deserted galleries, where are hung the frames of architectural drawings. Here we shall meet, as every year, too many school projects; but the restoration of antique monuments are less numerous. Several modern pieces of work — buildings actually erected, are interesting. The restoration of the fine Château de Josselin, at Morbihan (dating from the fifteenth century), with its fine dormers, which Viollet-le-Duc speaks of, has furnished to M. Lafargue the opportunity to display his talent as a water-colorist. Apart from this, it is a very complete piece of documentary evidence. The fine scheme of M. Cordonnier for the Bourse at Amsterdam is a very interesting study in the architecture of the North. In the first place, it is designed in a somewhat tormented style, with an abundance of dormers upon the roofs, which surprise us; but this treatment would be quite in place at Amsterdam. The great hall, with its iron arches of fine and decorative appearance, is well studied. One finds in this design elements of modern construction, which are wanting in the Palace for the Roumanian Senate at Bucharest, designed by M. Marcel. This *projet* for a Concours Duc is a fine study in style, without attempting to rejuvenate the classic formulas. The rendering of the drawings is skilful and pleasing. M. Charles Normand has given himself up entirely to archæological studies. He sends this year an attempt to restore the archaic Acropolis at Athens, in consonance with the latest excavations. It shows the ancient Parthenon of the Acropolis before its destruction by the Persians, 480 B. C. The work appears somewhat hasty, considering the gravity of the proposed aim. But, after all, are these archæological pretensions really serious? I would give them all for the least little monument executed and shown in its entirety, in which the author proved himself at once an architect and a creative artist. The study for the Lyric Theatre, by M. Bruneau, seems to me quite interesting. It is built of stone, brick and iron, the façades quite open, the principal façade opening on the foyer, decorated with great glazed openings, the lateral façades, with long galleries, serving as promenades on each side of the theatre. M. Bruneau for his decoration has had recourse to ceramics, but without extravagance. M. Wable has also made use of ceramic-work in his design for the Palais des Arts Décoratifs. The great dome recalls that of the palace of the Exhibition of 1889; but the stone façades in Classic style are a little cold besides the architectural mélange that M. Wable has seen fit to adopt for his interior. M. Gaida exhibits a curious drawing of the ancient paintings on the west cupola of the Cathedral at Cahors — sixteenth century work. These paintings are not frescos. They are produced by an old process called painting *à l'œuf*, a method in which milk is the vehicle, that is to say, one where either albumen or caseine is used. In his scheme for a hôtel de ville for the city of Nice, M. Charles Delmas proves that belfries or square towers can be made geometrically agreeable, and yet become very heavy when shown in perspective. M. Huot exhibits the last drawings for the Post-office at Marseilles, a building already finished, about which I would like to say more, and which certainly deserves more than a few lines. Likewise the private dwelling submitted by M. Parent, in the Avenue de l'Alma, would be worthy of a more detailed description: I hope to be able to speak of it later. As to the establishment of Crespin-Dufayel, the great bill-posting house of Paris, by M. Rives, its architecture *à tapage* is a veritable perpetual advertisement for the enterprising owners and also, it must be said, for the architect, who has succeeded in getting out of his job without too great extravagance. M. Vionnois exhibits designs for the monument

commemorating the siege of St. Jean de Losnes (Côte d'Or) in 1636, unveiled October 16, 1891. The monument consists of a column raised on an embattled basement, with cannon at the angles. The capital supports a small fortress surrounding a triangular pyramid which crowns it. The monument is of stone and does not lack originality. Such are the most important works in the architectural exhibition, which, moreover, contains a number of restorations and some very able water-colors. But it is difficult to mention everything without transcribing the whole catalogue. I will finish with three American exhibitors, whom I note: Mr. Lawlor of New York, under the modest title of "Travelling Sketches," exhibits some very fine pencil drawings. Mr. Ruxson sends a design for a suburban house, which is a very excellent *projet* or diploma drawing. Mr. Kohn has a water-color of the clock-tower of the Cathedral at Chartres, which seems well rendered, but unfortunately is very badly hung. As to Mr. Arthur Stoughton of New York, his drawing of the loggia of the ancient Hôtel de Ecoville at Caen is a little cold, and shows the work of an inexperienced hand.

THE LOSS OF THE ART INSTITUTE'S SITE. — EXHIBITION OF STUDENTS' WORK. — VON UHDE'S "LAST SUPPER."— OPENING OF SOME OF THE BIG OFFICE-BUILDINGS. — THE MASONIC TEMPLE. — THE UNITY. — THE VENETIAN. — RECENT DAMAGES BY WIND. — THE CONVENTION A. I. A.

IN previous letters the new building for the Art Institute has been spoken of. It was to have been erected on a portion of the Lake Front, entirely unattractive at present, but with this new building, the Public Library and the Athletic Club located, not in fact all on the Lake Front, but in quite that end of the town, a better class of interests would centre around these buildings than at present is directed to this section in the neighborhood of the old base-ball grounds and general catch-all corner. It seems that in the original deed of the Lake Front to the city it was stipulated that no building should be erected on it. This, of course, was a wise arrangement, considering the fine view of the lake obtainable from Michigan Avenue by this means. If the city makes one exception to this law it is possible that soon they may become as numerous as the exceptions to most rules we used to find in the grammars of our childhood. Still this is not probable, and an unprejudiced observer can hardly see how property on Michigan Avenue as far north as the proposed site of the Institute could be injured by the erection of a fine building on what at some future day may be a park. Nevertheless, on the strength of this old stipulation, one of our non-resident tax-payers, after a struggle of several months with the intricacies of the law, has succeeded in obtaining an injunction prohibiting any further execution of the plan of the Institute. This public-spirited female now lives where liberty has tried in vain to light her corner of the world, and of those whose patronage helps to make easy the first steps of art in a Western metropolis, her name shall head the list undoubtedly.

Few Americans have yet come to realize that a fine building needs a fine setting to make it count for all it should. Any lot that will actually hold the structure is in their eyes large enough for it. No space should be given to anything like an impressive approach, a pleasing combination of trees and vines around the edifice, or any arrangement by which a view of the building could be obtained. Here was to have been a chance, it seemed, where the surroundings might have been made to harmonize with the structure, as they do in many an old-country city.

Thirty thousand dollars have already been put into the foundations of the Institute, and this does not represent the entire loss to that association, either, as should the new art building be finished by the time of the opening of the World's Fair, as has before been stated in these letters, a certain sum was to have been given by the directors provided an assembly-hall should be provided in the building for the Congresses.

There is, however, never any great loss without some small gain, and in being prevented from erecting its building on the proposed site the Institute will find itself freed from many inconveniences in its new quarters. As the tracks of several of our principal roads run directly back of the site, of course the dirt from the engines would have been a great drawback to a building of this sort. The noise is also an equal disadvantage, as even in the old locality, which was considerably more removed from the tracks than the new one, it was often difficult for the students to hear all they should of the lectures. It is reported that the Directors of the Institute are seeking to obtain permission from the abutting property-owners to erect the building in the same district farther south. This seems unwise to attempt, as there have been constant struggles for the last fifteen years to have the old Exposition Building removed from this locality, and it seems as if there might be, after permission had apparently been obtained, some property-owner more aggressive than the others, who would show fight at the last minute.

Chicago is growing proud of her Institute both as a museum and a school and the recent exhibition of scholars' work shows that rapid strides are being made in the latter department. Especially noticeable and of especial interest to the profession is the improvement made in the architectural and designing classes. Both of them having been organized at a comparatively recent date have, of course, passed through that stage where it seems as if no footing would ever actually be obtained and no scholars strike out ahead of the others to be a spur and inspiration. Some of the specimens of work indicate the beginning of a good deal of excellence and a decidedly marked improvement over the exhibitions of former years, with a tendency to work in a better spirit. The designs for a museum show the greatest excellence, one set especially having a good deal of dignity of outline, with fair proportions both as to general plan and details. The pen-and-ink work, both in copies and sketches, as a preparation for perspective work later, is very creditable.

By far the largest exhibition is of the work of the classes in design. It begins with designs for a stained-glass window, several of which possess considerable merit. Next to these are some really charming compositions in designs for a book-cover. These are the gems of the collection, executed entirely in pen-and-ink, many of which are quite worthy of being perpetuated beyond a mere exhibition of school-work. Possibly, next to these in excellence are the designs for a dining-room interior. These are quite attractive and have a good deal of artistic merit in their execution. Closely approaching these studies in merit are the designs for wood-carving panels, a composition in nasturtiums being exceptionally good. Several designs in this group have been accepted for carvings in the Woman's Building at the World's Fair. The rest of the exhibition consists of designs for wrought-iron work and wall-decoration, both containing some very excellent examples.

In the other departments of the exhibition marked improvements are noticeable, though in not so striking a degree as in the former department. The work in the nude life-class is of a much higher order than heretofore while in the costumed life-class some really charming studies are found, especially among the pen-and-ink work.

The modelling class is not represented in the exhibition, but shows some creditable work in its room. They are busy at present on life-sized figures of Father Time.

This is the thirteenth school-year of the Institute and has been the most prosperous of any in its history. In all, eight hundred and forty-four students have been in attendance during the last twelve months. The interest shown in the architectural classes by prominent members of the profession has been most apparent, several of our best known architects giving gratuitously short courses or single lectures, while others giving the regular courses of lectures continuing through the year have done so for a small sum not at all proportionate to the amount of time and work required. It is a curious fact worth noticing that one-fifth of the architectural class are women, while only one-fifth of the class of design belongs to what a recent female labor-agitator here called the "adverse sex," referring to the time-honored and old-fashioned bread-winner, man. This would seem to point to the fact that, in the West at least, women will soon come forward to claim their share in a branch of work heretofore untried by them. Ten diplomas were confered upon as many students at the recent exercises of the school.

Among the pictures now on exhibition at the Institute is Von Uhde's "Last Supper," a picture which has been the subject of much discussion here, receiving either criticism or praise according as one admires a realistic or ideal composition. Even to some of the former class this picture is somewhat of a shock, for it not only fails to idealize but to many seems to debase the group of earnest men who with their leader worked and suffered nearly nineteen hundred years ago. One may believe Christ was divine, one may believe he had divine gifts, more than are granted to men ordinarily, one may believe he was an honest, earnest man filled with the inspiration that comes from undertaking and accomplishing a great work, but it is hard to believe that the common creation of Von Uhde's, with weakness stamped on every feature, who sits at the table, clad in a bright red sacque and equally bright blue nether garment strongly suggestive of petticoats, could ever move the coarse, rough, dirty almost wicked-looking clods, his disciples, who gather around. They sit in a neat, well-plastered, prosaic-looking room, a leaden-paned window in the background, a candelabrum containing candles hanging over the table. All is prosaic every day, and that day in Holland, not ancient Jerusalem. Some rough, dirty workmen are eating at a rough country inn. No suggestion is there of the tragic touch that most of us picture to ourselves at the thoughts of the little band at its last greeting.

One of the recent ventures of the Art Institute or rather of the student members is the publishing of a little illustrated paper, the *Organ*, in the common parlance of the day, of art interests and artists in Chicago. The paper is an inoffensive little sheet, containing, what is its chief object, the news of the day among local art circles, but what is principally remarkable in its career is that from the very start it has paid for itself, which is a record much to be envied by more aspiring publications.

As mentioned in last month's letter many of the towering business buildings were on May 1st, thrown open to the public and their tenants. Many of these same tenants are feeling deeply aggrieved that while

paying their full month's high rent they are subjected to all the inconveniences and annoyances of living in an unfinished building, themselves subjected to unpleasant conditions as well as those who visit them for business purposes. The occupants of the Masonic Temple have met together to protest against this imposition, but in the present state of things one hardly sees what course can be pursued, other than that of sweet and gentle submission until the building is finished, even if a workman does occasionally drop a monkey wrench through eleven stories into the court below, or if the lawful occupants of the building are squeezed into elevators with buckets of mortar, etc. It is pleasant to know that the Masonic Temple has occupants enough to make it seem worth while to protest for the general quiet of the interior coupled with the fact that empty rooms look out at one at every corner, would seem to point to an unsuccessful real estate investment. This building, notwithstanding the protest is much more nearly finished than some of the other huge ones, and is in the interior one of the most satisfactory of the large structures. A spacious open court rises in the centre of the building from the ground to the glass and iron roof. Through the first nine floors the rooms open directly onto balconies on the court, the balconies being formed of very successfully designed metal work of copper bronze. Above this for the remaining eleven stories the windows open directly onto the court, which is lined with white marble. Elevators in a long row just back of this court rise to the top story, and are said to be sufficient to accommodate all those who may require such service in the building. At either end of the line of elevators broad flights of stairs give access to the different stories. From the last actual story, where the elevators stop, stairs lead to the garden on the roof, which it is fondly expected will be a place of popular resort. To those to whom the word garden means something in the open air this will undoubtedly be somewhat of a disappointment. But the smoke of Chicago prevents anything of that kind, and any garden to be habitable in a down-town section must necessarily have a roof over it to protect its inhabitants from soot.

In this case, the entire deck of the roof of the building is again covered by a second roof in glass and iron. A wide corridor surrounds the central court, small windows on all four sides, in a continuous line, giving an extensive view of the entire city and harbor, or would if the atmosphere were such as to permit any view in any direction but the one point from which the wind happens to be blowing. The glass roof admits an agreeable light, but truth forces one to say a not equally agreeable heat, which seemed to be proving almost too tropical for even the rows of potted palms which were arranged to give a gardenlike appearance to the place. The smoke around the temple is especially annoying, as its own chimney is one of the greatest offenders. The defect, which is irremediable, is said to be entirely due to improper disposition of the boilers by the architect. The annoyance has been so great from this smoke-stack that it has caused considerable newspaper talk, at least, and is said to have led to the suggestion that a city ordinance be passed compelling architects to submit to the city authorities their plans for heating, as well as plumbing, now required.

In style, the building is a combination of Romanesque in the lower stories and fifteenth-century in the roof, if such a thing is conceivable. As it is the highest office-building in Chicago, one can imagine that the designer may have forgotten the original style he started with by the time he reached the roof. Aside from its size, which gives it a certain dignity, the composition is not one to be greatly admired. The long, perpendicular lines and the great sameness in the color of the material used gives it a monotony which is anything but pleasant. This is the large building which was mentioned some time ago in these letters, whose different stories were to bear the names of different streets, out of regard to the too sensitive nature of women who object to anything above the third floor. This delicate subterfuge has not as yet been carried out, and the only substitute is the respective numbers of the floors placed upon them in chalk. The carvings around the entrance have, many of them, a Masonic significance, but the designs do not seem to have been introduced with any delicacy. The interior details, though not very elaborate, are more satisfactory, especially the metal-work, much of which is very artistic and quite unusual. The plainness of the front façade is somewhat relieved by the three long bays, as well as by the low, broad arch of the entrance, though the whole effect of the building is one of extreme severity. The roof is of red tiles, with a picturesque slant from the deck to the eaves, but the possibility of dangerous snow-slides occurs to one, as there is an unobstructed sweep from the highest point.

Continuing farther south, the next one of the recent large buildings is that known as the Unity Building. It is a structure of extreme simplicity on the exterior, but in the interior, though of small proportions as far as the entrance and central hall are concerned, good taste or bad has run riot. The local press seems to have been especially given to praising this building, before it was erected, in the most extravagant terms. One paper expressed itself in the following terms, heading the notice with the words, "A Scene of Beauty Inside: As the sight-seer enters the high, arched entrance on Dearborn Street, he will be bewildered by a symphony of marble, mosaics and silver plate. The hall will be lined with white Italian marble, and will have floors of mosaic and ornamental tile. Every square of the metal furnishing will glitter with a triple plate of silver. An open court, fifty by sixty feet, occupies the centre of the north half of the building.

"It is lined with English white porcelain brick, which costs one hundred and forty dollars a thousand. Electric light, steam heat, sanitary plumbing and ventilation are also features of this structure. An attractive feature from a scenic standpoint is a marble gallery which surmounts the entrance."

Another journal begins its description of this same portion of the building with the remark "The entrance hall is a consummate work of art," and closes with the sentence "This fairyland hall is lighted by three silver chandeliers." The arched entrance is high, as the journal stated, for it extends through the height of the two first stories, an expression no longer incorrect in regard to our new buildings. The symphony of marble consists of white marble walls, dark brown marble wainscoting with dark green mouldings. The ceiling both for the "court" and vestibule is stucco gilded with gold leaf. Over the stairs where the design is somewhat simple, the effect is rather pleasing, but in the vestibule and hall the design is heavy and unstudied. In both places it is divided into medallions, in the hall large roses filling the centre of the squares, while enormous U's fill those of the vestibule. Perhaps the reason of the choice of the letter U for decorative purposes may not be at first apparent, till childish visions of alphabet-block and primer rise before you and you remember U stands for Unity. The interior of the "court" is treated in a classic style, but all the proportions are so heavy that a cramped and crowded effect is the result obtained. Large pillars rise from the ground to the ceiling of the second first story. These are faced with white marble, the shafts being polished, while the Corinthian capitals are left with a rough surface. Partitions apparently cut through these columns as well as does the white marble balcony so proudly mentioned in the newspaper description. If one could believe that ruins had existed in Chicago with marble pillars, one would think that this was a wise arrangement for utilizing fine features of a former time and grandeur, as is so often done in ancient cities where such things abound. That marble columns should be placed in an office-building where they are not needed for either the purpose of utility or beauty, is equally difficult to understand. The marble balustrade for a balcony round so small a hall is heavy looking, and in reality takes up space which otherwise would be useful in the balcony. The papers speak enthusiastically of the mosaics of the building. There are indeed mosaics making very excellent floors, but that the design is unusually artistic it is absurd to pretend. A large medallion is at the front of the hall, in which alternate Roman amphoras, out of regard to the classical feeling of the whole, with good solid substantial U's. The staircases though convenient and light are kept a very secondary feature, which in these buildings is a wise arrangement, as these stairs are so little used that it is unnecessary to give them a prominent place. The newspaper was careful to note that the hardware is triple-plated silver. The effect of silver with the gilt ceilings and mouldings is not nearly as harmonious as something else would have been, and the casting of the metal work around the elevator, which is not silver, for instance, is very poor. In fact about the only feature of the building either on the exterior or interior, considered from an artistic standpoint which could really be called successful, is the main cornice in terra-cotta which is certainly very good, but being at a hundred and fifty feet, more or less, above the sidewalk is scarcely in a position to prove particularly attractive to any except those in the upper stories of the adjoining buildings.

Another large building recently completed is the one known as the Venetian Building, though why it should be considered sufficiently Venetian in character to give it its name is hard to tell. The structure is of buff brick and terra-cotta. The upper stories of the building are very pleasing, though the wisdom of placing the greater part, or in fact, nearly all of the ornamental detail of an edifice, at such a height from the street is very questionable. The two upper stories give the especial character to the building, with the windows having round arched openings and a surface of geometrical ornamental work between. The entrance is simply a square box with the word "Venetian" in mosaics across the lintel, while two very simple columns rise on either side. Mosaics hold a conspicuous place in the entrance-hall. The walls are wainscoted with white marble, the metal work having an aluminium finish to harmonize with it. The building seems to be convenient and appropriate for the use for which it is intended, and the fact that it is well tenanted would indicate as much. The elevator-service seems a little limited.

Not many squares from the Venetian Building is still another one of our latest acquisitions, known as the Title and Trust Building. This is a successful Romanesque structure of stone and yellowish-toned brick. It has two entrances on either side of its façade, and the usual large-framed windows of the ground-floor are replaced by small high ones. This unquestionably gives a chance for greater architectural effect, but the result of the small windows on the interior comfort of the building might be questionable. Next to the Woman's Temple, this is the most successful building, on the exterior at least, of all the recent giants.

The general characteristics of all of them seem to be the attempt to make two first stories, alluded to last month, a general tendency to avoid any architectural effect on the exterior, and a lack of appreciation of the amount of elevator-room required to meet the needs of so large a number of people who congregate in such structures.

This seems to be a year of severe storms and gales in this section of the country. The weather seems to be unable to do anything by

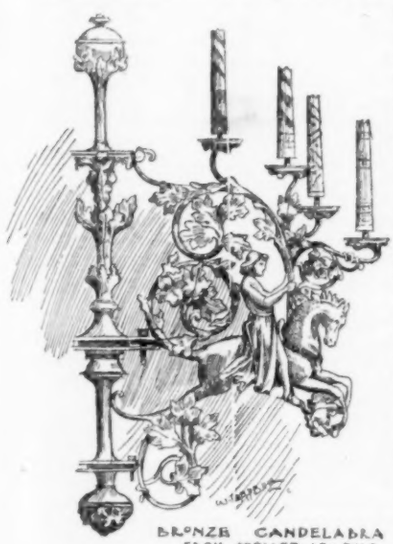
halves, and is either the hottest, coldest, wettest or windiest season easily remembered. Chicago has been visited by another blow that amounted to almost a cyclone and which played havoc with a certain class of buildings.

The Liberal Arts Building was the one on the World's Fair grounds which suffered principally. The gale that struck this seems to have been at a later hour than the one so severely felt in the centre of the city, so none of the men were at work, otherwise loss of life might have been the result. While the wind was at its height a section of the framework of the outer wall between the central entrance and the northwest corner of the Liberal Arts Building suddenly gave way. The section blown out was over two hundred and fifty feet, and when it fell it carried the entire floor of the gallery and the gallery trusses that were anchored to it. There was no steel truss-work in the wreck, but the one hundred thousand feet of lumber fell with sufficient force to do serious damage. None of the other buildings sustained any especial injury, as being in a much more finished state than the Liberal Arts, they were in a much better condition to withstand the force of the wind. To show the power of it we have but to realize that the huge "traveller," the scaffolding described in a previous letter, was moved a distance of forty feet, carrying along with it for twenty-five feet one of the combination trusses which connect the mammoth steel truss to the outer wall, and to which the hoisting tackle had been attached by the men previous to leaving.

The Democratic wigwam met with a severe loss, and those who have all along thought that the canvas roof over the central portion was a foolish arrangement came out in a strong "I told you so!" party. Fifteen men were on the roof at the time of the gale, and had all they could do not to become too much entangled with the big canvas canopy that had been placed in position over the centre of the amphitheatre. First, one of the quarter posts which held the big awning gave way. Three twisted wire guys snapped like twine, and the heavy timber went crashing down, tearing a big rent in the canvas. Then the wind got under the sheet, and tugged and pulled at it till some one cut some of the ropes, and down the whole thing went, snapping in two the ninety-foot centre mast. It fell with a crash, naturally smashed the floor and ruined one hundred chairs. It is estimated it will take eight thousand dollars to repair the damages. It was for a while thought best to substitute a combination of timber and canvas roof, but no proper canvas was available, and it was finally concluded by the committee to erect an entire timber roof, though grave fears have been entertained as to the safety of such a proceeding on a building constructed as was the wigwam, to carry only a canvas roof. To erect this roof in six days, without the slightest preparation in advance, seems a fairly large undertaking. The roof will be practically two hundred feet square and sixty feet from the floor. Electric-lights have been put in, and the work will be carried on day and night.

To the surprise of many, notices have been sent around by the Secretary of the American Institute of Architects, saying that the next annual convention would be held in Chicago at a time that shall coincide with the opening festivities of the World's Columbian Exposition in October, 1892, and that as soon as the exact date of the opening shall be fixed notices will be sent to members, giving exact information as to time of convention. It was generally expected that the convention would be held here in 1893.

THE DISPOSAL OF BLAST-FURNACE SLAG.



AT the recent annual convention of the Institution of Mechanical Engineers a paper "On the Disposal and Utilization of Blast Furnace Slag," contributed by Mr. William Hawdon, of Middlesbrough, was read. The author began by pointing out that whilst it is nearly always difficult to realize profit in getting rid of pig-iron, it is more difficult to avoid loss in getting rid of the slag. In other words, slag can seldom be sold, and as a rule has to be removed at much labor to be tipped over more or less valuable land. When it is remembered that ten million tons of slag are yearly made in Great Britain — a speaker in the discussion corrected this to twelve million — we may agree with the author "that the subject is well worthy of attentive consideration."

The author at the conclusion of the reading of the paper showed examples of the product of his machine, and also bricks which had been taken out of a building after having been laid fifteen years. Some road bricks were also shown.

The first speaker in the discussion was Mr. David Joy. He had had great experience in the disposal and utilization of slag. The author had made reference to these and to the paper he, Mr. Joy, had read before the Cleveland Institute of Engineers. The author said that none of Mr. Joy's plans had, so far as he was aware, been put in practice. "One idea was to have long endless belts running from the furnace to the river for shipment. The belts were to consist of iron plates one-fourth inch thick, fixed on iron ropes; it is needless to say that these would have been too light to resist the action of the molten slag run upon them. Another design was for disintegrating the slag by running it into water, out of which it was to be dredged by an arrangement of buckets. Other designs were also drawn out for running the slag into fixed moulds on the inner side of a horizontal wrought-iron drum, which revolved on small rollers; the idea was to assist the cooling of the slag by means of water jets and to carry it in the moulds nearly up to the top of the circle described by the revolution of the drum, and then to tilt it out into a trough shooting it into trucks. An experimental machine constructed on this plan could not deal with such a large flow of slag as was discharged from the furnaces of that date; and it does not appear to have been put into practical use." Commenting upon these remarks of the author, Mr. Joy said that the statements made required correction. His paper had been read in 1871, and not 1873, as the author stated. He had spent the previous year in studying this question of slag disposal. He had first mastered what had been done previously, and then he travelled about inspecting the appliances used for transporting other materials in large bulk, such as coal, grain, etc. He had then met the ironmasters and put his schemes before them, and was received in the most friendly spirit. The author had said that his chain and buckets would not stand the temperature, but here Mr. Joy did not agree with him, as they were made up in small pieces, and not subject to injury from excessive temperature. With the waterwheel arrangement the pieces were brought to such a state that they broke up readily and could be shot into wagons. Another plan was to inject a current of air on to the molten stream of slag so as to break it up into sand. With this they were confronted by a difficulty which afterwards led to the introduction of the manufacture of slag-wool. As the slag was "shot" by the stream of air, each particle carried with it a fine tail. These tails got down one's back under the clothing and produced intense irritation, so that it was impossible to work near the apparatus. The difficulty had been got over since by drawing the filaments into a receptacle by an induced draught, and thus collecting them in the shape of slag-wool, which was a valuable product. His work did not produce any practical result, however, as after he had been engaged for two years, the Tees conservators came to the conclusion that they would take the blast-furnace slag for constructing their breakwater, and they, therefore, offered such a price as made it pay to let them have it. The speaker thought the wheel arrangement described better than the chain-and-bucket device, as the former could be removed if anything went wrong, and the ordinary method of dealing with the slag could then be had recourse to.

Mr. Jeremiah Head said that he came from a land of slag, and he thought he had seen all the machines used for its disposal. The greatest consumption in Cleveland was for the building of breakwaters. On the south side of the Tees they had erected a noble breakwater which was built up of iron slag and cement, which were formed into a concrete. Some of the blocks forming the toe of the breakwater were as much in weight as 250 tons each; still in a heavy gale these were liable to be shifted a little. The breakwater had been somewhat damaged in this way, but the mischief had not been great and had been remedied by filling up the cracks formed with cement. In addition to this, large quantities of slag had been taken to sea for three or four miles and shot overboard. It had been anticipated that there would be formed in this way an addition to the kingdom in the shape of a slag island, but it was found that the blocks were shifted and broken up by the action of the waves, and after a gale the adjacent coast was strewn with pieces. Mr. Head was one of the unfortunate directors of the company which was started to make bricks from slag sand. It was found that each particle of slag was a hollow sphere containing water in sufficient quantity to slake the lime used. The particles were mostly silica, and were so sharp that they cut the steel bars of the Carr's disintegrator to pieces very soon. The company was sound enough from an engineering point of view, but it was not a commercial success, and exists no longer. Slag-wool, as they knew, was still made, and formed an excellent non-conductor of heat when new. This was to be attributed to the air entangled in the filaments. After a time, however, the action of the heat given off from a steam boiler had such an action on the fine fabrics of slag that it reverted to the solid state, and he had seen it taken off a marine boiler very much of the appearance of a lump of glass. In making bricks it was necessary to run them into moulds, and then place them into an annealing kiln before getting cold, so that they might cool slowly. This made a hard brick, but if they were allowed to cool quickly they cracked and broke up, like a slag ball. The need for this slow cooling was to be argued from the fact that an ordinary mass of slag taken from

the tip would be found to be firm and strong in the interior, while the outside would be cracked and broken. The slag bricks had been used for road-paving in many cases; for instance, where a road passes a footpath. One objection to them, however, was that they have a fin from the casting, and this was apt to cut the boots of pedestrians. At the same time the fin was difficult to remove. Many attempts to use slag sand in the manufacture had been made and small works had been erected for the purpose. The ingredients required in cement were present in the sand, and some success had been achieved. There had been a pier built of this material and a paper had been read on the subject before the Cleveland Institution of Engineers. Still the system did not seem for some reason to go ahead with great rapidity. One difficulty was to grind the slag into an impalpable powder. A machine to do this had been devised consisting of an iron cylinder containing a number of balls. This did not seem satisfactory, and, the speaker believed, was not followed commercially at the present time. He had seen Mr. Hawdon's apparatus at work, and it seemed to be a great success, and to work without trouble. He thought it would come into almost universal use when thoroughly known.

Mr. Marten said that in the course of engineering works in Staffordshire he had to tunnel through slag heaps, and had anticipated much difficulty, but had found that it was not so troublesome as was anticipated. Slag was also a useful thing for making puddle hold, and he had used it with great success for pitching streams, it answering better than bricks for this purpose, as the frost affected the latter, but was not harmful to the slag, which would last ten or twelve years. He had seen efforts made to build solid slag walls. The molten slag had been run into boxes or moulds, and the material would spread out in layers, as it cooled, just as treacle would if run from a spout onto a plate. The consequence of a hot layer of slag running over part that had cooled was that a number of separate layers were formed, instead of a solid mass, and the consequence was that the walls soon tumbled to pieces. He thought this gave a hint how those should proceed who wanted to break up slag into small pieces for convenience of transport, etc. Slag-breaking machines had been set up by some railway companies at great expense, so as to make suitable ballast of that material. The trouble here was that a great deal of small stuff was made, and that was useless for railway ballast; but the speaker did not see why it should not be used for roadmaking. The chief point in the whole question of slag disposal seemed to the speaker to consist in never getting the material into thick lumps if it were required to break it into small pieces.

Mr. Perry F. Nursey said he was not sure whether those who were most constantly with slag were most impressed with the enormous waste that arose through its production and disposal. He was one of those who had the matter brought to his mind at intervals, and it certainly had always impressed him very strongly. For road-making it answered very well in certain respects, but it was liable to do much damage to the feet of horses and men. In Germany he had seen the slag directed into a running stream and then broken up for railway ballast. At the slow speeds of the Continental trains it might answer very well, but with the faster running trains of this country it was liable to be shaken down too solid. At Barrow they had managed to secure a large extension of their territory by dumping the furnace slag on the foreshore, and the Dowlais Works at Cardiff were doing the same thing.

Mr. Joseph Tomlinson said that most of the large railways used slag ballast in places, and in South Wales nearly all the railways have two feet of it on their lines. Although this represented a good deal of slag, unfortunately it lasted so long that renewals were not required.

Mr. Bauermann said the diagrams showed how difficult it was to get out of a groove, and it was more trouble to break from a bad system once set than to start an invention afresh. The old system of dealing with slag was to keep it in small pieces. Then the craving for bigness arose, and the fashion was followed in slag disposal. Now the author had brought them back to a more sensible view of the situation and gave thin, easily broken pieces. The apparatus shown in the diagrams on the walls appeared very well suited to the purpose. The best plan was that followed in the United States and known as "slopping;" but that was not always feasible. It was necessary to have a small quantity of cinder which was the characteristic of most American ore. The Dowlais Company adopted a modification of the American system and with success. The principle was not to run into large quantities, but to run from the ladle in small quantities which would cool quickly and be broken up easily.

Mr. Bache next read two letters. The first was from Mr. J. E. Stead, who had seen Mr. Hawdon's machine at work and found it satisfactory. The question, however, to be solved was, What was the relation of cost between using this machine and disposing of the slag in the ordinary way? A point that always struck him was the enormous amount of heat that was set free by the cooling of the slag. Taking the quantity mentioned in the paper — 10,000,000 tons of slag per annum — it would require 653,000 tons of coal a year to melt it, and the heat from this was allowed to go to waste.

The next letter was from Mr. Birkbeck; in reference to whose work the following passage occurred in the paper: "The cast-iron core was first introduced by Mr. J. A. Birkbeck at the Acklam Iron Works, Middlesbrough. The hollow casting was made double pear-shaped in plan, and of the full height of the slag ball, with the finer edges or knife edges towards the front and back of the bogie, so that when the bogie was tilted up, the slag, which had already cooled and cracked through contraction round the core, was cleft in two or more pieces and fell into the barge. But these pieces were too large and heavy to be thrown with safety into the vessel." Mr. Birkbeck in his letter said that the author was mistaken in his statement. With the dry-core system the material was reduced to smaller pieces than when broken by hand. If the author's experience had not been so fortunate it was, doubtless, owing to the cores being too small. The belt system had been tried at the same works, but owing to the great cost of wear and tear of the pins joining the bricks it had been abandoned. The question to be solved was whether the same thing would not occur with the author's device. The apparatus, too, entailed outlay, whilst with his, the writer's, plan there was but one small additional charge, as the cost of the cores was very small.

Mr. Hawdon, in replying to the discussion, said it was always sad to see an able man come before his time, and he was afraid that had been the case with Mr. Joy. He could only say that if the latter's plans had been adopted it would have saved the Cleveland iron-masters many thousands of pounds. He thought, however, that Mr. Joy's plates were too thin. The belt apparatus, to which Mr. Birkbeck had referred, was in appearance something like his, but the same precautions were not taken in regard to cooling and dividing up into several parts, so as to allow for expansion and contraction. For railway-ballast slag was especially good with steel sleepers. The slag broken from his machine was in better shape than that used in France, where it took the form of a sort of sand, which got set hard, so that the water could not get away so easily. Reference had been made to cost. The price of a machine to deal with 1,300 tons of slag per week would be £220. The cost of labor, maintenance of machinery and trucks would be 2*d.* per ton of iron produced for delivering the slag into trucks — say 1¼*d.* per ton of slag. No charge is included for coal, as steam is got for nothing. There is also no charge for water. In the case of the method in vogue at the Dowlais Works, with which Mr. Bauermann appeared to be very much impressed, the slag was allowed to run slowly into boats, but they were likely to skull, and considerable cost was entailed in breaking them out. There was also the cost of breaking up the layers. Mr. Birkbeck's system had been tried at the Ormsby Works, and had been given up, the author's apparatus being substituted. — *Engineering.*

The Illustrations

[*Contributors are requested to send with their drawings full and adequate descriptions of the buildings, including a statement of cost.*]

DETAIL OF THE RACQUET CLUB, WEST 43D ST., NEW YORK, N. Y. MR. C. L. W. EIDLITZ, ARCHITECT, NEW YORK, N. Y.

[Gelatine Print issued with the International and Imperial Editions only.]

Owing to misinformation this building, shown in a general view, was, in last week's issue, stated to be the work of Messrs. McKim, Mead & White.

PROPOSED HOTEL LARCHMONT, LARCHMONT-ON-THE-SOUND, N. Y. MR. GEORGE MARTIN HUSS, ARCHITECT, NEW YORK, N. Y.

It is proposed to be built on Ocean Avenue; will contain about 150 rooms; is completely fitted up with steam-heating for early spring and late fall guests; inside of North Carolina pine and white wood; stained cedar shingles outside; estimated cost including steam-heating, ranges, steam-tables, etc., elevator, electric-bells, etc., gas-fixtures and plumbing, $62,000.

HOUSE FOR MESSRS. WENDELL AND SMITH, WAYNE, PA. MR. HORACE TRUMBAUER, ARCHITECT, PHILADELPHIA, PA.

EDISON BUILDING, ATLANTIC AVENUE, BOSTON, MASS. MESSRS. WINSLOW & WETHERELL, ARCHITECTS, BOSTON, MASS.

SYNAGOGUE FOR THE CONGREGATION BETH ISRAEL, ATLANTIC CITY, N. J. MR. CHARLES ISRAEL, ARCHITECT, NEW YORK, N. Y.

PALAIS DE JUSTICE, GIEN, FRANCE.

[Additional Illustrations in the International Edition.]

CHURCH AT FOSSANUOVA, ITALY.

This plate is copied from *Zeitschrift für Bauwesen.*

"THE EMPRESS THEODORA," AFTER A PAINTING BY M. BENJAMIN-CONSTANT.

The etching is copied from *l'Art.* The painting was exhibited at the current *Salon.*

FOUNTAIN AT PRAGUE, BOHEMIA.

THIS plate is copied from *Architektonische Rundschau.*

MUNICIPAL BUILDINGS, BATH, ENG.

THIS is the amended perspective view of the accepted design for the new Municipal Buildings at Bath, the elevations and plan of which were published January 9, in the *Builder*. The perspective was not then given in accordance with Mr. Brydon's express wish, as he was not satisfied with it in its original form. We may mention that the block on the right or south wing contains the municipal offices proper, and that on the left or north wing contains the technical schools. The plans for the whole are in hand, and will be carried out substantially as in the competition design. The drawing from which the illustration is taken was exhibited at the Royal Academy.

THE TEMPLE OF PALLAS, ROME, ITALY.

ALL our readers who are familiar with Rome must wonder why Prout selected only two subjects for illustration, and why one of them should be the fragment of that costly Temple of Pallas which was erected by Domitian. The "Colonnacce," which is seen in the plate we publish this week, is not known by sight to every resident in Rome. We cannot explain the mystery of the selection. Prout may have been amazed at the number of subjects which were adapted to his peculiar manner of representation and have resolved to devote a long period in the future to Rome. If so he was not able to realize his hopes.

The Forum of Nerva, or *Forum Palladium*, was the fourth of the fora, and served as it were to unite the others. It is evident from an old engraving that a large part of the Temple of Pallas was standing in the seventeenth century. The marbles of which it was composed were, however, assigned for use in the fountain on the Janiculus, and in consequence the temple was demolished. The "Colonnacce" formed part of the pillared court around the temple. It is evident the style was as rich as the Romans could make it, although in the eyes of a goddess it might not appear as refined as the simpler Parthenon. On the attic was a large figure of Pallas as the patroness of labor, while on the architrave she appeared as the instructress of young girls in feminine arts and as the punisher of Arachne, who foolishly imagined that in art-needlework she was equal to the goddess. There were also symbols of the aqueducts.

HOUSE AT HAMPSTEAD, ENG. MR. E. J. MAY, ARCHITECT.

HOUSE IN CONNECTICUT, U. S. A. MR. E. J. MAY, ARCHITECT.

TOWER AND SPIRE FOR THE CHURCH OF ST. EMMANUEL, PLYMOUTH, ENG. MR. H. C. ROGERS, ARCHITECT.

THE tower and spire have been designed as an addition to the present church. It is to be built of local limestone, with dressings of Doulting stone.

WENLOCK PRIORY.

WENLOCK PRIORY, together with about thirty other religious houses, most of them of greater antiquity than the reign of Henry III, belonged to a class of priories owing allegiance to the abbot of the great French abbey of Clugny (Cluny) a branch of the Benedictine Order, in the department of Saône-et-Loire, founded by William I, Duke of Aquitaine. Though thus in rank but a priory, and subject to a rigid and extortionate control, Wenlock was the oldest and most privileged, perhaps the wealthiest, of the religious houses of Shropshire.

The first foundation was by Saint Milburga, granddaughter of Merewald, brother of Wulphere, king of Mercia at the end of the seventh century. The buildings, probably of timber, were, however, destroyed about 874 by the Danes, who were then conquering Mercia.

The second foundation was by Leofric, earl of Mercia, who revived the memories of the life and death of St. Milburga. This second period, however, lasted only fifty-one years, 1020-71. Practically none of the existing ruins originated in either of these periods.

The third revival was by Roger de Montgomery, who restored the original church between 1071 and 1086. The foundation of the choir and the chapter-house walls are the only remains of his work. The architecture of the chapter-house is a most beautiful specimen of interlacing work in the transitional period of Henry II.

Most of the existing ruins were built during the early part of the thirteenth century. The Priory was dissolved in 1589. The portion of the existing ruins illustrated, viz, the south transept, furnishes a most beautiful example of pure Pointed Gothic, and was probably executed between 1198 and 1216. This drawing was one amongst other drawings and papers submitted for the Godwin Bursary, 1892, by Mr. T. Locke Worthington.

ANGELS IN CHANCEL CORNICE, NICHOLASTON CHURCH, ENG.

THESE photographs were taken from the models of the oak chancel cornices for Nicholaston parish church, now being restored. The chancel is 14 feet 6 inches long by 12 feet wide. One Early principal only remains; the rest of the roof (now being replaced) is quite modern. The work is being executed by Mr. W. Clarke, sculptor, Llandaff, from the designs of Messrs. Halliday and Anderson, architects, Cardiff and Llandaff.

DOORWAY, MUSÉE GRÉVIN, PARIS, FRANCE. M. G. RIVES, ARCHITECT.

THIS plate is copied from *La Construction Moderne.*

PALAIS DES BEAUX-ARTS, LILLE, FRANCE. MM. BÉRARD & DELMAS, ARCHITECTS.

THIS plate is copied from *La Semaine des Constructeurs.*

INTERIOR OF GLASGOW ART GALLERY. MR. T. MANLY DEANE, ARCHITECT.

THIS fragment of one of the sets of competitive drawings is copied from the *British Architect.*

NOTES & CLIPPINGS

A WILY WIDOW AND HER CASTLE. — Mr. Jessup who occupied last summer the large Château Habsburg on the Megyenhorn, near Lucerne, with his wife, Lady Mildred Jessup, and family, has for some time been in negotiation for the purchase of the Castle of Lenzburg, situated about 1,000 feet above the town of that name — a fine old place, standing upon a massive rock and commanding splendid views. The records say that the castle was built in the eighth century, and that the last of the lords of Lenzburg was a Count of Kyburg. The present proprietress, a widow, has long been anxious to sell the castle, and she found a very likely customer in Mr. Jessup of Philadelphia, who got so far as depositing 15,000f. with the local authorities as compensation for the closing of a public right of way over the property. All the papers were ready for signing and Mr. Jessup had fully made up his mind to purchase, when he was informed that there was a great fissure running through the rock upon which the castle was built and that it had long been pronounced unsafe. If any accident happened, Mr. Jessup would, of course, be held responsible for the consequences, as the rock dominates the town. Finally it would require 47,000f. to put the rock right and make it safe for human habitation thereon. Mr. Jessup was, of course, astounded at all this, and upon making inquiries he found that the proprietress of the castle knew all about the fissures in the rock, but preferred not to say anything about them until she had got Mr. Jessup's purchase-money in her hands. He, therefore, threw up the bargain and now refuses to have anything more to do with it. To be fair to the Town Council, they say Mr. Jessup is perfectly justified in his action, and will refund to him the 15,000f. paid, for closing the right of way. As to the widow, she sits sorrowing over the folly of her own wicked little ways. She will, I think, have to wait a long time before she gets such another chance as that she has just forfeited. — *Galignani's Messenger.*

A NEW GALLERY IN ROME. — Recently, in the presence of the Queen of Italy and most of the best-known Italian archæologists, a new gallery, our Rome correspondent states, was solemnly inaugurated in the musuem of Villa Giulia, outside the Porta del Popolo. The idea of this museum was formed three years ago. It is arranged on a new plan, the objects being grouped together in such a fashion as to give the visitor as complete a view as possible of successive epochs. The excavations made at Faleria, where Civita Castellana now lies, had already furnished four large galleries in the Villa Giulia. In the first gallery the tombs of the earliest epoch were reproduced, with everything that had been found in them belonging to an epoch anterior to the sixth century; in the second gallery tombs in the form of a chamber, instead of a mere pit, and containing the elements of the purest Greek art, were reconstructed. The third gallery belonged to a period in which Greek commerce had ceased, and a local art had developed, of which as yet no example existed. A last gallery contains the remains of two marvellous temples of the third and fourth centuries, also reconstructed as exactly as possible. Now to this precious collection, belonging entirely to the history of one town, a new portion has been added, belonging to a town still more ancient than Faleria, provisionally called Narce, situated higher up along the course of the Anien. The museum, consequently, now contains five galleries, illustrating the history of a period extending from the third or second century before Christ to the seventh or eighth of our era. — *London Daily News.*

SHELLEY'S MONUMENT IN OXFORD. — The fine piece of monumental sculpture which Mr. Onslow Ford has consecrated to the memory of Shelley is the principal object in the centre of the lecture-room. The monument, of which this is the plaster model, was originally intended for Shelley's grave in the Protestant cemetery at Rome, but difficulties arose with the representatives of the late Edward Trelawny, and it was finally decided to present the work to University College, Oxford. Surely no stranger revenge has ever been brought about by the whirligig of time. The College which expelled Shelley living honors him dead; and, more curious still, the monument is to be placed within a few feet of that of Lord Eldon, whose judicial opinion of Shelley's character — is it not written in the chronicles of poetry and law? The monument itself is in all ways interesting. The nude body of the drowned poet, in marble, lies on a bier supported by bronze lions; between them and below the bier is the mourning figure of a Muse in

bronze. A fine sense of design and a power over expression — as in the Muse's face — are the characteristics of Mr. Ford's talent; and they have never been shown to better advantage than in this important piece of sculpture. — *London Times.*

The Province Lands at Provincetown. — Among the bills of minor importance passed during the last moments of the Legislature of 1892 was one of considerable interest affecting the Province lands on the Cape. It marks what may be the first step toward reclaiming this region from the encroachments of the sea and the drifting sands. That Provincetown is in imminent danger from this source has long been known to its inhabitants, and the fact has frequently been brought to the attention of the General Court, but all efforts to enlist the aid of the State in warding off the danger have hitherto proved abortive. While the Commonwealth has from time to time reasserted its rights of ownership in the land upon which Provincetown is built, together with the woodland and sandy beaches adjoining the settlement at the tip of the Cape, it has continued to allow the settlers there to enjoy possession of their homes and to buy and sell land just as if it belonged to them by titles clear and undisputed. A strange difference of opinion has grown out of this easy-going and apparently amicable arrangement. The town has said to the State: "Here are your Province lands in danger. Come and save them." And the State has replied to the town: "You have more interest in the Province lands than I have. Save yourself." Meanwhile the shifting shingle has regarded neither the claims of the town, nor the disclaimers of the State, but is steadily swallowing up acre after acre of the stunted forest, and, as it feeds, grows more voracious. There are now trees twenty feet high, and more, quite buried in the sand, except for a few sprouts from the highest branches, by which the plants are struggling to raise their lungs above the suffocating material. So far as now can be foreseen, the advancing sand will in time, if left alone, cover the whole of the woodland, and, having overcome this bulwark of safety to the town, destroy the settlement and the harbor. The act of Legislature just passed has authorized the Trustees of Public Reservations to look into this matter. But little power is inherently vested in these trustees, who are a creation of the Legislature of 1891. They are empowered to engage in historical research, rather than anything else, or, if they can get the funds, to see that places of historic value are preserved from the vandals, time and modern progress. Now, however, they are authorized to make maps and plans of the lands belonging to the Commonwealth at Provincetown, not occupied by buildings, to collect such information with regard to them as may be deemed expedient, and to report the results of their labor to the next General Court. They are also given some latitude in the matter of expenses, being allowed to employ assistance and make other expenditures according to the determination of the Governor and Council. The aim of this investigation is understood to be the salvation of the Province lands from the encroaching sand, and the act has sown a seed of hope in the souls of those persons who would like to see this salvation wrought out. It is said that the Nationalists have had a hand in the framing of the measure. They think that the Province lands should be improved and made into a park for the free and common use and enjoyment of the citizens of the State. It will be noticed that in the language of the act the General Court again declares, as it has declared many times before in the last century or two, that the lands at Provincetown "belong to the Commonwealth." — *Boston Herald, June* 20.

The Wood-pulp Trade. — The manufacture of wood-pulp is a comparatively modern industry which has developed to very large proportions. About a quarter of a century ago it was proved possible to make printing and wrapping papers from wood, and Germany rapidly obtained a wide market for paper manufactured from timber. Besides its value as an industrial product, notice must also be taken of the fact that the manufacture of wood-pulp utilizes large quantities of timber which have been heretofore regarded as practically worthless. Among the countries not possessing important paper-mills, but which, nevertheless, have large supplies of wood, Norway occupies an important place as a producer of wood pulp, which is exported for the use of paper-makers in other countries. Of course, the introduction of such an important industry into Norway led to the establishment of similar undertakings cognate to it. Thus, of the fifty-eight wood-pulp mills now in operation in Norway, ten have added paper factories to their capacity, in order to employ the raw product and export the finished paper. One has also the plant for making water-buckets. The following figures, showing the exports of the wood-pulp produced by mechanical means during the last five years, are illustrative of the steady expansion of the trade:

	Tons.
1887	155,000
1888	175,000
1889	190,000
1890	207,000
1891	235,000

These figures include the 50 per cent of water, and those for 1891 represent a value of about seven million kronor. The chemical pulp or cellulose has not proved so profitable as the mechanical. In fact, the trade in this description has been almost stationary during the last two years, if a comparison of the latest export statistics is regarded as a fair criterion — amounting, as they do, to about the same in both 1890 and 1891, viz, 17,000 tons of dry pulp and 9,000 tons of ordinary, both quantities being valued at four million kronor. — *Timber Trades Journal.*

Old Tunnel Plan with a Difference. — A patent has just been taken out through a Bolton agency for a scheme which claims to solve the Channel tunnel difficulty. The inventor is Mr. Joseph Holden, a well-known Northeast Lancashire journalist and shipping-agent residing at Accrington. Mr. Holden's patent is for connecting countries and places divided by rivers or seas over sea railways and submerged-tunnel railways. Both systems will be supported on specially constructed pontoons which will be raised to any required altitude or sunk to any required depth, and securely fixed on all sides by iron or steel cables so as to present a perfectly firm and immovable foundation. In crossing the Channel a circular tunnel of iron or steel would be constructed which would be sunk to a depth where it would have most support on the upheavals of the Channel bed, the intervening supports being pontoons. The cost will not be anything like so heavy as the cost of excavations, and the security will be as great. Cantilever bridges can be constructed on his surface pontoons; also piers, etc. — *Pall Mall Gazette.*

Napoleon's Price for Louisiana Land. — One penny farthing an acre for land, mostly of high fertility — such was the price according to the calculation of Mr. W. J. Menzies, in his lecture before the Chartered Accountants' Students' Society, for which Napoleon Bonaparte in 1803 sold Louisiana to the United States. — *New York Evening Post.*

TRADE SURVEYS

The only actual danger which threatens the prosperity of the nations is the cornering of gold which has been in progress in Europe for a year or two past. The fact that there is a struggle for it by the financial managers of the world's business is evidence that there is not enough gold to go around, and it is also evidence that there is need of a substitute that will compensate for the deficient volume. It is rather surprising that the financiers of foreign countries are so short-sighted as not to see that their struggle for gold, when the strain comes, will benefit them very little. New conditions are now controlling the commercial world. Thirty or forty years ago, the possession of gold by one single nation meant something more than it does to-day. The world is now, commercially speaking, but one people, and it is folly to endeavor to pile up gold in this, that or the other bank under the expectation that when a general stringency comes it will enable the nation controlling the given volume of gold to escape evil consequences. It is evident that the output of gold will slowly increase, but this increase will be insignificant in comparison to the requirements for it. Over one hundred millions of gold have disappeared from this country in obedience to the law of demand and supply, and the lack of protection against this departure is giving more and more concern to the few thinking heads who look far beyond the immediate conditions. All commercial conditions are of a healthful nature. Our exports for only four of the leading articles of export for the past eleven months exceed the exports of same eleven months' previous fiscal year by $125,000,000. Last week's gold exports were $7,000,000. If this demand continues it will result in stringency. Our bankers are now somewhat concerned because of the apparent determination of foreign banks to drain this country at all hazards. The volume of business is heavy in all directions. There is not a sufficient demand for currency to keep rates of interest up. Net earnings of railroads are in excess of same time last year. The production of pig-iron is way ahead of last year, and the mining of soft and hard coal is in excess of corresponding figures last year. The manufacturing of machinery is also being pushed with unusual activity, and there is a great deal of new land being reduced to cultivation. The middle-men are doing a fair year's business, complaining, of course, but the volume of business, as measured month by month, is fully up to last year. Paper-makers are also increasing their yield over last year. Carpet manufacturers are making more carpet. Hosiery manufacturers are doing less, because of heavy importations. Textile manufacturers are making less money, but more goods. Founders are quite as busy as last year. Rolling-mill output has been reduced, and the iron trade generally is dull. Railroad building is at a low ebb, and expectations of mid-summer activity have been disappointed. The general industrial condition is satisfactory, but there is a wide and deep complaint over the continued low prices. As heretofore stated, there is a screw loose or a wheel out of gear somewhere in the commercial situation. Short-sighted policies seem to be preferred. There is a steady growth of wants among the people, but a lack of means to supply them. It is this condition of things that has started the cry or announcement of a coming boom, and such men as Armour, of Chicago, honestly believe that booming times are near at hand. They are, in the sense of increasing need and wants of the masses of the people, but not in the sense of existing means to supply them. Within the past week, quite a large number of orders have been booked from railroad companies for all kinds of material. A leading electrician says that there is an unusual amount of business in sight for electrical equipments. This may be, and doubtless is true of many more industries than this referred to. This much can be confidently asserted; namely, that a lower range of prices is now a more remote probability than ever. The industries are organized so well that restriction can take place without unsettling production or prices, as has been shown in the iron and lumber trades. The smaller industries continue to thrive, especially where new communities have sprung up within a few years. There is a notable increase in the number of distributing centres in the West, and the custom is gaining ground of merchants carrying a larger stock of goods for retail requirements than they were. This is a healthy sign. Another favorable indication is the growth of sentiment among the people for the improvement in inland water-ways, a fact which has been frequently referred to heretofore. A desire will probably manifest itself in political action as soon as tariff, silver and one or two other pressing questions receive some sort of solution. The question of canal-building and the construction of inland waterways is at present a very important one in foreign countries, and there is no doubt but that a large amount of money will be expended in Great Britain and Europe in the next few years in this direction. While there is a great deal of unsettled feeling among manufacturers, merchants and banks over possible dangers, a safe business is being done. Credits are under better control. It is true, profits are very low and more business is being done at a fractional margin than ever, but it must be remembered that the people at large profit by low prices. The possible strike of the iron-workers is the only additional serious labor trouble to report. Stock-brokers are greatly pleased with the latest crop reports. Middle-men in New York and elsewhere are quite satisfied with the latest reports from their travelling salesmen.

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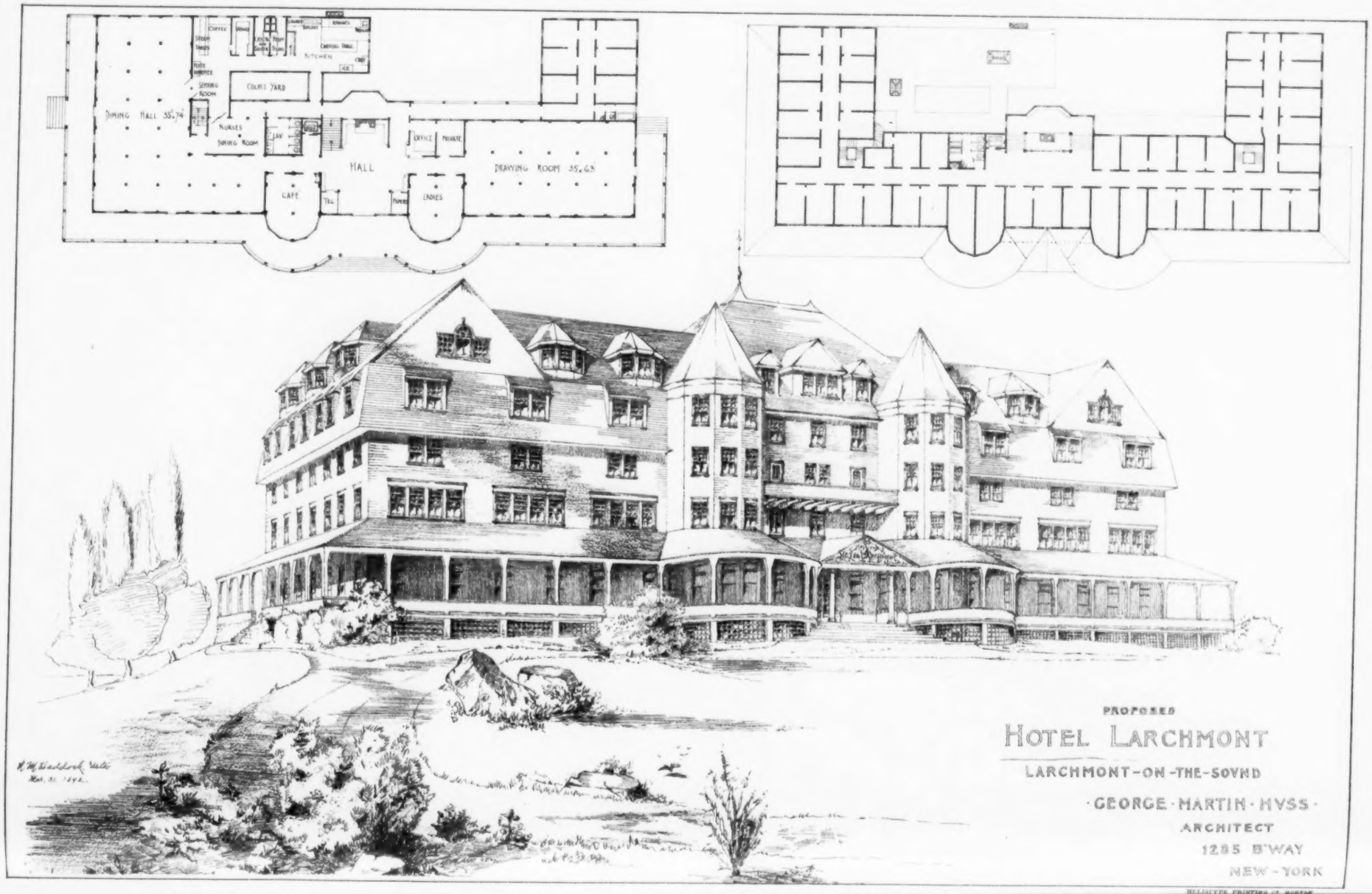

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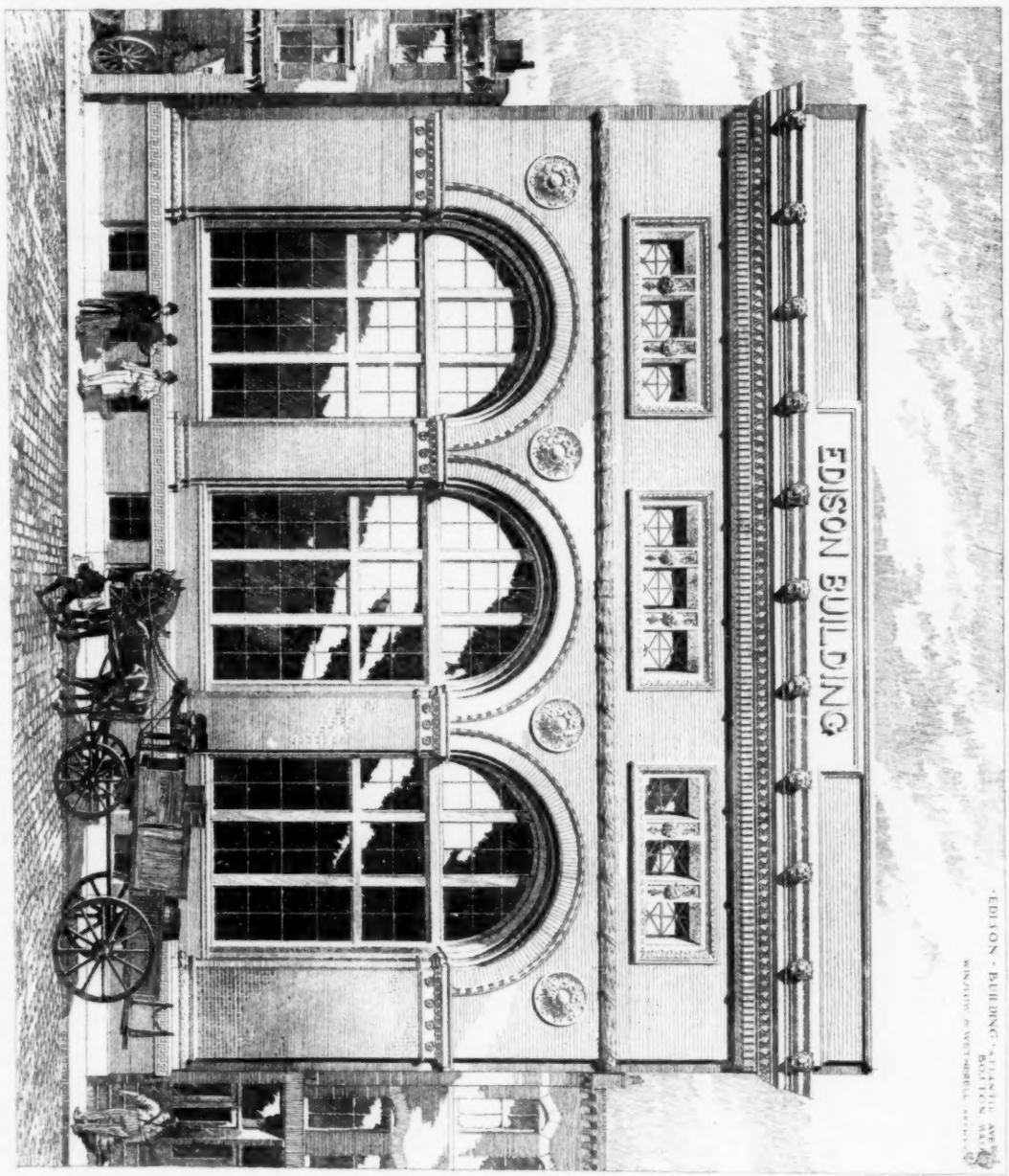

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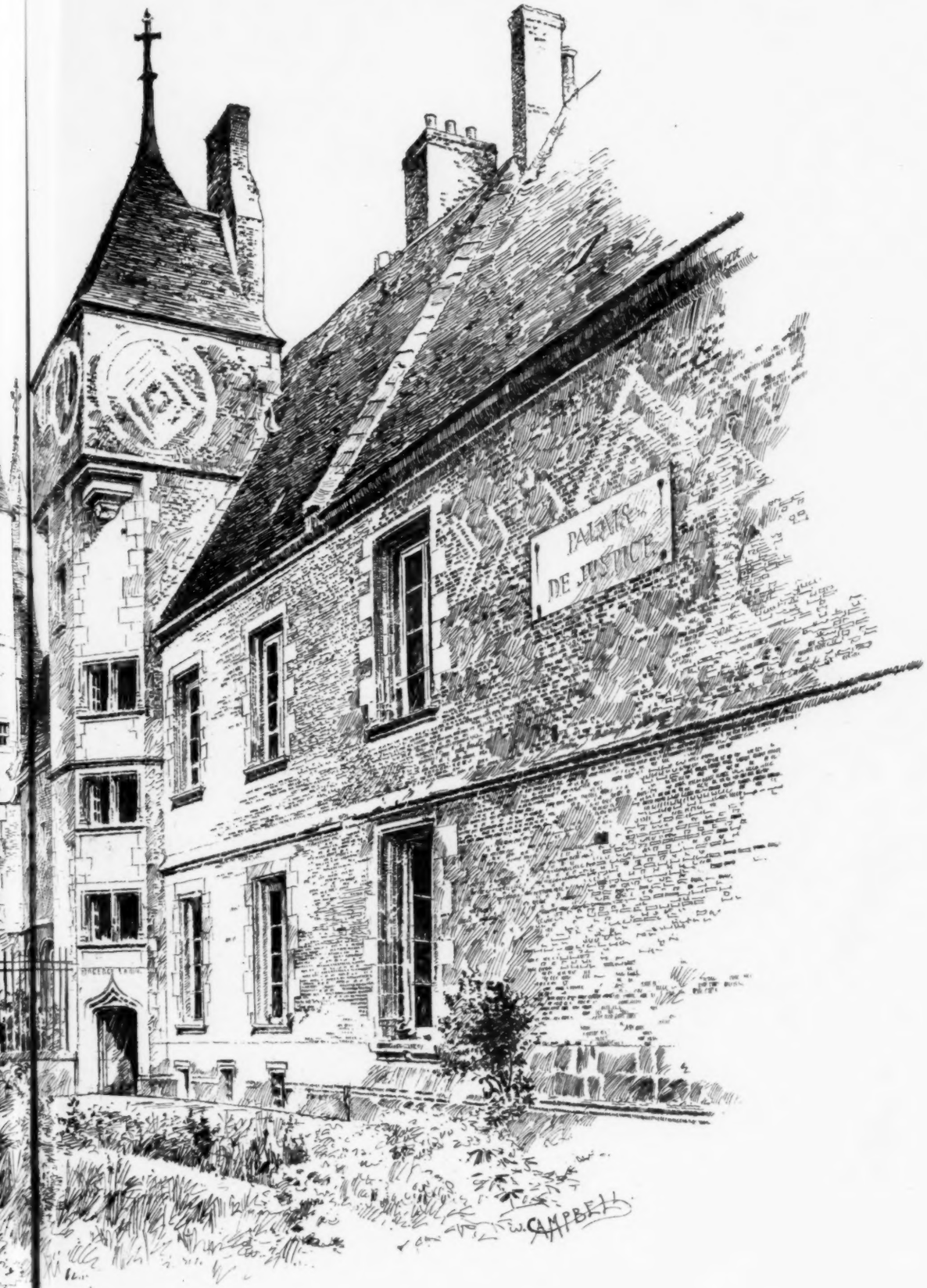

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The Board of Health Test in Rochester, N. Y., referred to in this paper last week, resulted in a report of which the following is an extract:

> TO THE BOARD OF HEALTH: — Your Committee begs leave to present to the Board, the following report on the result of the test in relation to Trap Siphonage: The Traps selected for the test were the BENNOR, the BOWER, the PURO, the common S-TRAP with McClellan Vent, the DELEHANTY and the SANITAS Trap. These Traps were all easily siphoned with the single exception of the *SANITAS*, which alone successfully resisted Siphonage. In view, therefore, of the results of the experiments, your Committee respectfully recommends that Section 26 of the Rules and Regulations of the Board of Health, of the City of Rochester, relating to Drainage and Plumbing, be revised to read as follows: "All Traps shall be protected from Loss of Seal, through evaporation, siphonage or air-pressure. . . . The SANITAS Traps may be used without venting. In case other Traps are used in connection with the fixtures above enumerated in this Section, they shall be connected with Vent pipes, in the manner hereinafter prescribed, in these Regulations."

The above report and the revised rules were adopted by the Board of Health. The SANITAS is the only Trap allowed by the City of Rochester, without venting. As Architects in other cities are interested in saving their clients the needless expense, and the dangerous complications of back venting, we invite their co-operation in getting the Anti-Siphon Traps allowed in their respective cities, without venting.

One Architect in Chicago saved his client two thousand dollars in one building, by using the SANITAS Traps. It is also for the interest of the plumber to do away with back venting, which does not show, but takes money which would otherwise be used in high grade exposed fixtures, which would be a credit to the plumber, the architect, and owner, alike.

We shall be glad to correspond with Architects and Sanitarians regarding these matters, and to give them a list of prominent buildings in different cities in the country, using the SANITAS Traps without venting.

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Spruce	@ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
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Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40 24" 8 @ 21
Cedar split ₱ M.	@	@	*Not sold.*	{20" 35 @ 14
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split, 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
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Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
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Ash [*Kiln-dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
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Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
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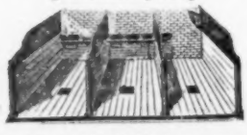

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Granite: (*Maine*)				75 @ 90
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Bedford	45 @ 1 25		35 @ 55	75 @ 1 50
Joliet	@ 1 00		35 @ 60	₱ Perch @ 4 50
Lemont	@	10 50 per ton	@ 1 00	
Serpentine	@			

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Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.)*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.)*				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	325 @ 4 00
" black, Lehigh	@	@	7 30 @ 8 00	00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	@	@	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M.	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading.				
PAINTS. *(In Oil* ℔ *lb.)*				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ *gal.)*	55 @ 62	39 @ 40	57 @ 60	@ 60
" " boiled	58 @ 65	42 @ 43	60 @ 63	@ 63
Turpentine	36 @ 37	@ 42	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } *dry*	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.) } *dry*	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am } *dry*	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: *(Per Cask.)* Spikes, *(wrought.)*	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 20	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 10	@ 3 65	3 60 @ 4 75
(Finishing nails according to size.)	@	@	Add .85 to $1.15	per lb 4 @ 6
(For casing nails add 75 c. per keg.)	@	@	" .50 to .90	Add per cask
Butts: 4″ x 4″ ...(℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish ...(℔ pair.)	@ 65	@ 50	*Not Sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards.)	@ 10	@ 10	@ 12	@ 1 00
Ebony	@	@	@	@ 35
Apple wood	@	@	@	37 @ 1 00
Knobs: (℔ *set.)*				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not Sold.*
Hemacite	*Not Sold.*	17 @ 35	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, silvered	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:	@	@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 7½	@ 7	@ 6¾
Lead Pipe	@	@ 6½	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 36 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel-Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10

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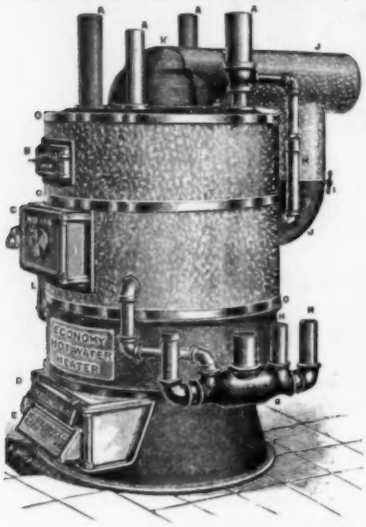

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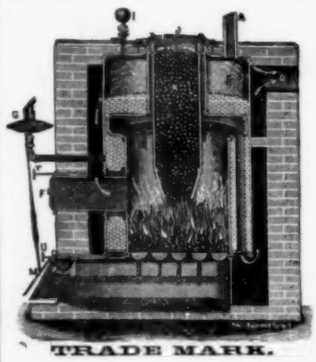

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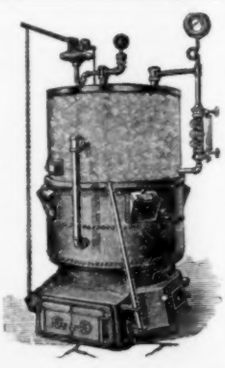

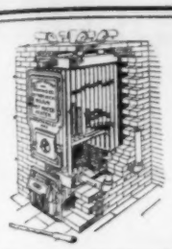

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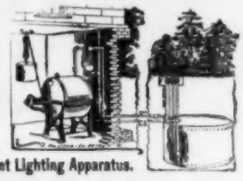

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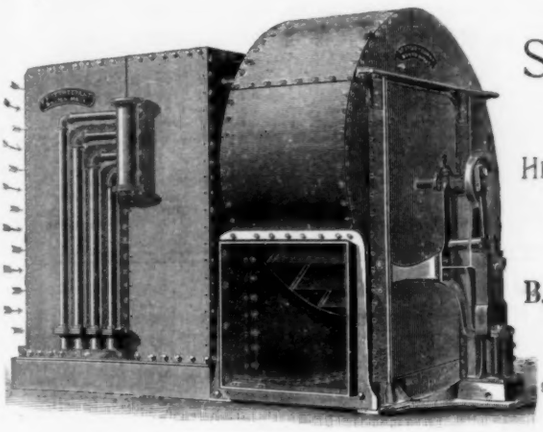

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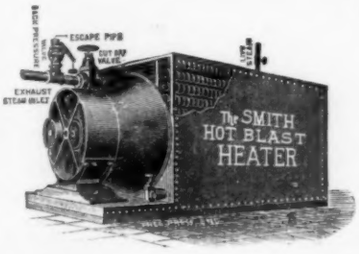

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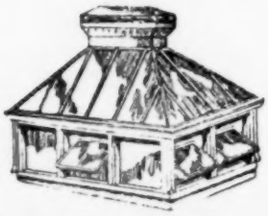

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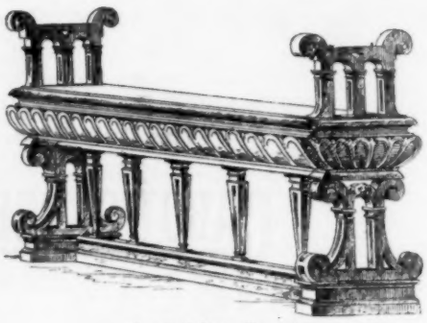

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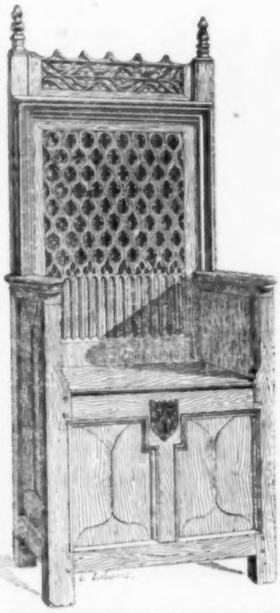

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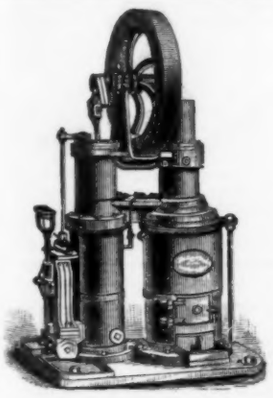

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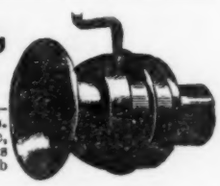

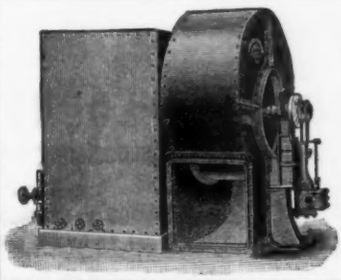

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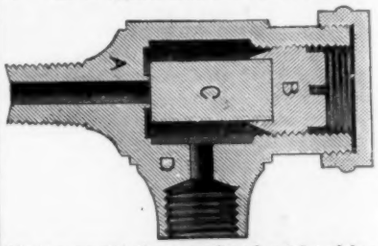

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New Advertisements.

VOLNEY W. MASON & CO. (Providence, R. I.) Elevators. Page i.
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I. P. FRINK (New York, N. Y.), Reflectors. Page viii.
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RARITAN HOLLOW AND POROUS BRICK CO. (New York, N. Y.), Fireproof Building. Page xix.

PERSPECTIVE DRAWING.

The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

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CATALOGUES.—The Joseph Dixon Crucible Co., Jersey City, N. J., intend erecting a saw-mill at their mines at Ticonderoga, and would like catalogues of saw-mill machinery. 849

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Providence, R. I.—*Steeple St.*, s w cor. North Main St., alterations to frame building; cost, $5,000; owner, Gorham Mfg. Co.; builder, W. N. Rathbun.

APARTMENT-HOUSES.

New York, N. Y.—*East Seventy-fifth St., No.* 36, four-st'y brick flat, tin roof; cost, $35,000; owner, Jonas Weil, 327 East Fifty-first St.; architect, G. F. Pelham, 1481 Broadway.

Eighty-fifth St., s s, 550′ w Ninth Ave., 3 three-st'y brick flats, tin roofs; cost, $14,000; owner, D. Willis James, 11 Cliff St.; architect, John G. Prague, Eighty-fifth St. and Tenth Ave.

Third Ave., n e cor. One Hundred and Eleventh St., 2 five-st'y brick and stone flats and stores; cost, $50,000; owner, Mr. McTeague; architect, R. R. Davis.

Sixty-fifth St., n s, 122′ w Central Park, two brick and stone flats; owner, James O'Brien; architect, George Keister.

CHURCHES.

Lexington, Ky. — Edifice to cost about $30,000 will be built for the Christian Church.

Oxford, N. C.—The building of an edifice to cost abt. $15,000 is contemplated.

HOUSES.

Boston, Mass.—*Butler Ave.*, near Saratoga St., Ward 1, frame dwell., 27′ x 27′; owner, Chas. Dingwell; builder, A. McPherson.

Ashmont St., near Neponset Ave., Ward 23, frame dwell., 25′ x 43′; owner, S. G. Putnam, Jr.; builder, W. J. Hatch.

Newbury St., near Dudley St., Ward 23, two frame dwells., 22′ x 30′; owners, Clifford Devens and A. E. Hentz; builder, M. A. Blanchard.

Holborn Park, Ward 21, frame dwell., 24.9′ x 33′; owner and builder, W. Swanson.

Washington St., No 2813, Ward 15, two-st'y frame dwell. and store, flat roof, 38′ x 50′; owner, A. G. Wetherbee; builder, J. C. Cates.

Brooklyn, N. Y.—*Christopher St.*, e s, 50′ n Belmont Ave., 3 three-st'y frame dwells., tin roofs; cost, $5,000 each; owner, Wolf Potanshinsky, on premises.

Varet St., s s, 100′ e Morrill St., three-st'y frame dwell., tin roof; cost, $4,500; owner and builder, John H. Stegmann, 142 Varet St.; architect, Th. Engelhardt, 905 Broadway.

Twenty-third St., s s, 400′ e Fourth Ave., 4 three-st'y frame dwells., tin roofs; cost, $2,700 each; owner, Ernst Stratman, 722 Fourth Ave.

Fifty-second St., n s, 200′ e Fourth Ave., 7 two-st'y frame dwells., tin roofs; cost, $2,500 each; owners, C. & A. Hamilton, Third Ave. and Fifty-third St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Seventeenth St., s s, 360′ e Tenth Ave., 2 two-st'y brick dwells., tin roofs; cost, $2,800 each; owner, James F. Kelley; architect, Robert W. Frith, Arbuckle Building.

Fifty-fourth St., n s, 260′ w Fifth Ave., 2 two-st'y brick dwells., tin roofs; cost, $3,000 each; owner, David Charuss; 2 Forty-third St.; architect, Robert W. Frith, Arbuckle Building.

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BUILDING INTELLIGENCE.

Ridgewood Ave., s s, 50′ w Dresden St., 2 two-st'y frame dwells., tin roofs; cost, $5,600; owner, Arthur Fettus, 322 Myrtle Ave.

Hart St., s s, 100′ w Central Ave., 3 three-st'y frame dwells., tin roofs; cost, $4,500 each; owner, E. E. Kelly, 713 Gates Ave.; architect, Benj. Pinkensiefer, 93 Broadway.

Kent St., n s, three-st'y frame dwell., tin roof; cost, $4,000; owners, J. A. & W. H. Post, 709 Leonard St.; architect, James B. Crane, 684 Leonard St.

Chicago, Ill. — W. Goodfellow, 2 two-st'y dwells. 5831-5833 Monroe Ave.; cost, $9,000.

A. Larson, two-st'y dwell., 54 Perry Ave.; cost, $3,000.

B. Messner, 2 two-st'y dwells., Fifty-eighth and Halsted Sts.; cost, $3,400.

J. Linblad, two-st'y dwell., 372 Hoffman Ave.; cost, $3,000.

Alexander Stevenson, 3 two-st'y dwells., 276-280 Lincoln Ave.; cost, $6,000.

L. C. Patrick, three-st'y dwell., 25-27 Woodlawn Ave.; cost, $15,000.

F. E. Griffen, 3 three-st'y dwells., 1668-1682 West Monroe St.; cost, $25,000.

Cincinnati, O. — Mrs. Mary Firshing, two-and-one-half-st'y brick and stone dwell., Lath St.; cost, $3,500; architects, Rieg & Marty.

H. Haler, two-and-one-half-st'y brick and stone dwell., 151 Linn St.; cost, $4,500; architect, E. Bunde.

J. Ruthman, two-and-one-half-st'y brick and stone dwell., 379 Richmond St.; cost, $3,500; architect, M. Fisher.

New York, N. Y.—*West Eighty-fifth St., No.* 156, three-st'y brick dwell., tin roof; cost, $15,000; owner, Mrs. Mary Walbridge, 521 Tenth St., Brooklyn.

Webster Ave., w s, 225′ s Scott St., three-st'y brick and frame dwell., tin roof; cost, $6,000; owner, Louisa R. Krauss, 412 East Fifty-second St.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

One Hundred and First St., n s, 150′ w West End Ave., 5 three-st'y brick dwells., tin roofs; cost, $80,000; owner, George Reid, 17 East Ninety-first St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

(*Continued on page* xv.)

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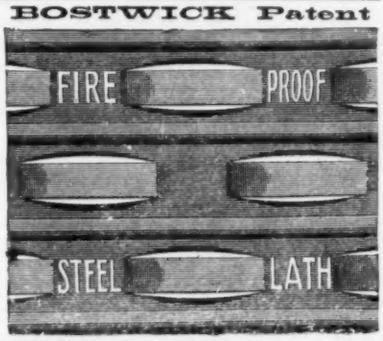

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Ninety-fifth St., s s, 225' w Eighth Ave., 4 three-st'y brick dwells., tin roofs; cost, $64,000; owner, James B. Gillie, 245 West One Hundred and Thirty-fifth St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Riverside Drive, e s, 36' n One Hundred and Fourth St., four-st'y brick dwell., tin roof; cost, $50,000; tin roof; cost, $50,000; owners, Walker & Lawson, 790-792 West End Ave.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Fifth Ave., n e cor. Sixty-fifth St., five-st'y brick and brownstone dwell. and stable; owner, W. Watts Sherman; architect, William H. Russell.

Southern Boulevard, n e cor. Hull Ave., three-st'y stone and shingle frame dwell.; owner, John A. Armundson; architect, Edgar K. Bourne.

BUILDING INTELLIGENCE.

Providence, R. I. — *Comstock Ave.*, n s, two-and-one-half-st'y frame dwell.; cost, $6,000; owner, Frederick G. Stiles; builder, W. S. Maiton.

Princeton Ave., s s, two-and-one-half-st'y frame dwell.; cost, $8,000; owner, Edward K. Brown; builder, Joseph C. Peck.

Adelaide Ave., s s, two-and-one-half-st'y frame dwell.; owner, Geo. C. Arnold; architects, Gould & Angell; builder, John C. Machon.

Stimson Ave., two-and-one-half-st'y frame dwell.; cost, $15,000; owner, A. L. Kelley; architects, Gould & Angell; builders, H. L. Bossett & Co.

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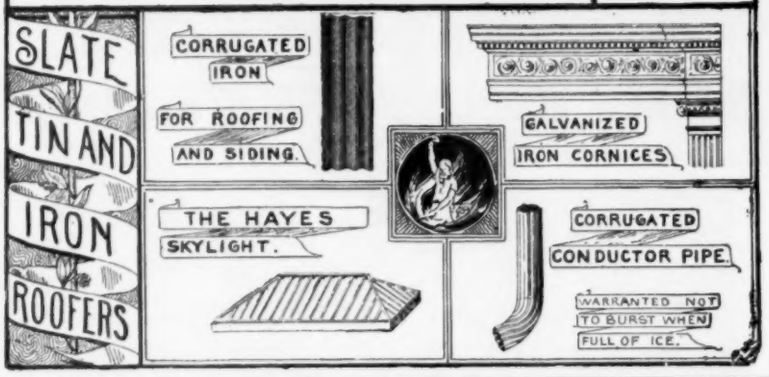

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Worcester, Mass. — *Geneva St.*, one-and-one-half-st'y frame dwell.; owner and contractor, T. M. Anderson.

Hudson St., three-st'y frame dwell.; owner, Paul Bruso; contractor, Eric Laundry.

Wayne St., one-and-one-half-st'y frame dwell.; owner and contractor, J. L. McNeill.

Gage St., three-st'y frame dwell.; owner, John Carr; contractor, J. A. Kennedy.

Apricot St., one-and-one-half-st'y frame dwell.; owner, Patrick Fee; contractors, Beaulieu & Bebeau.

Milton St., three-st'y frame dwell.; owner and contractor, Dennis Keefe.

Esther St., two-and-one-half-st'y frame dwell.; owner, C. A. Euborg; contractor, L. M. Peterson.

Esther St., three-st'y frame dwell.; owner, M. J. Tynan; contractor, L. M. Peterson.

Belmont St., three-st'y frame dwell.; owner, Nils Peterson; contractor, L. M. Peterson.

PUBLIC-BUILDINGS.

Perryville, W. Va.—McDowell County contemplate building a court-house to cost from $50,000 to $75,000.

MISCELLANEOUS.

Brooklyn, N. Y. — *Park Ave.*, n w cor. Schenck St., five-st'y brick tannery, tin roof; cost, $22,000; owners, McDermott & Howard, on premises; architect, Thos. F. Houghton, 340 Fulton St.

Cincinnati, O.—C. Bardes Sons, four-st'y brick and stone tannery, Stark and Branch Sts.; cost, $5,000; architect, J. J. Reuckert.

Worcester, Mass. — *Quinsigamond Ave.*, brick and stone valve-house and gasometer; owners, Worcester Gas-light Co.; contractors, Pellet Bros.

PROPOSALS.

Office of the Light-house Engineer, Third District, Tompkinsville, N. Y., March 28, 1892. Sealed proposals will be received at this office until 12 o'clock M., Monday, the 25th day of April, 1892, for furnishing miscellaneous articles for the Light-house establishment. The articles needed consist of twenty numbered lots, embracing, respectively, charcoal and Cumberland coal; building material; engineers' supplies, hardware, tools, etc.; iron and steel; belting; graphite paints, etc.; lumber; boiler covering; plate-glass; galvanized and Russia sheet-iron, tin, solder, sheet-zinc and iron wire; sheet brass and copper; composition, brass and nickel castings; bells; acids; iron castings; sheet-iron smoke-stacks for boilers; electroplating supplies; shooks for oil-supply boxes and miscellaneous articles, all of which are enumerated in the specifications attached to the form of bid, which may be obtained on application to this office. Samples may be seen or information obtained at this office concerning any article not sufficiently described in the specifications. Bids will be received for one or more numbered lots complete. Envelopes containing proposals should be endorsed "Proposals for Miscellaneous Articles." The right is reserved to reject any or all bids, to strike out any item or items in the specification and to waive any defects. Bidders are invited to be present at the opening of proposals. D. P. HEAP, Major of Engineers, U. S. A., Engineer Third Light-house District. 850

March 21, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M. on the 13th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the approaches to the United States Custom-house and Post-office building at New Bedford, Mass., in accordance with drawing and specification, copies of which may be had on application at this office or the office of the Superintendent, New Bedford, Mass. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches for the United States Custom-house and Post-office building at New Bedford, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect. 849

PROPOSALS.

March 21, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 20th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating-apparatus) of the United States Post-office building at Lafayette, Ind., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Lafayette, Ind. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposals for the Erection and Completion (except Heating-Apparatus) of the United States Post-office building at Lafayette, Ind.," and addressed to W. J. EDBROOKE, Supervising Architect. 849

March 18, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 12th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the plumbing, gas-piping, etc., for the United States Court-house and Post-office building at Birmingham, Ala., in accordance with the drawings and specification, copies of which may be had on application at this office and the office of the superintendent at Birmingham, Ala. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid; all proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposals for Plumbing, Gas-piping, etc., required for the United States Court-house and Post-office building at Birmingham, Ala.," and addressed to W. J. EDBROOKE, Supervising Architect. 849

[*Continued in Supplement.*]

Prof. Thos. Egleston, Professor of Mineralogy, Columbia College School of Mines, and a very high authority on the subject, in a paper read before the American Society of Civil Engineers, on "The Decay of Building Stone," says:

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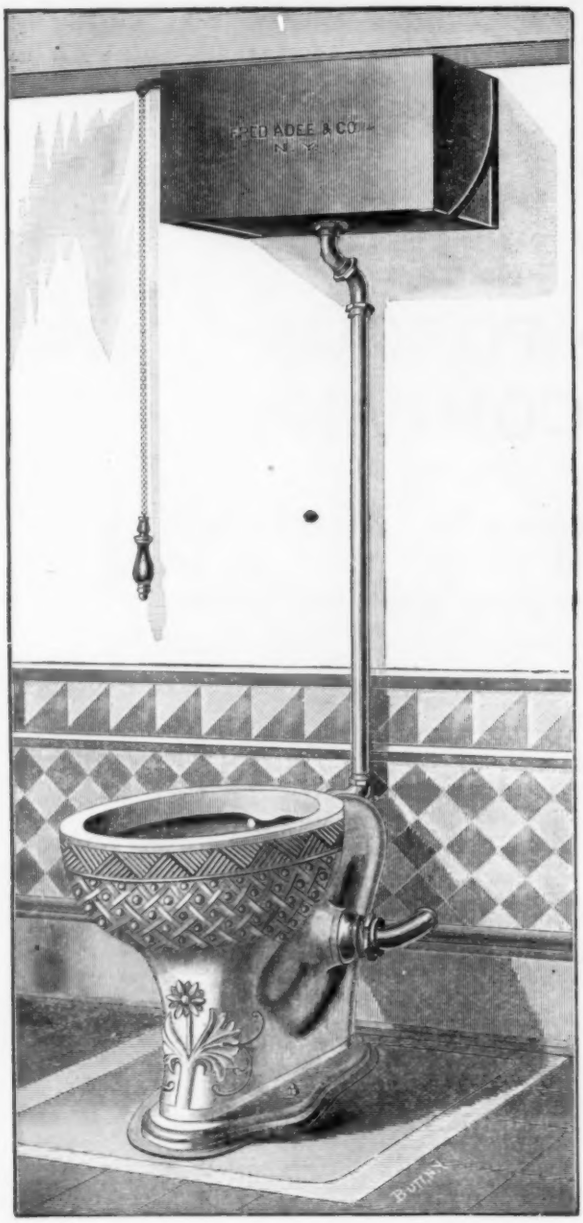

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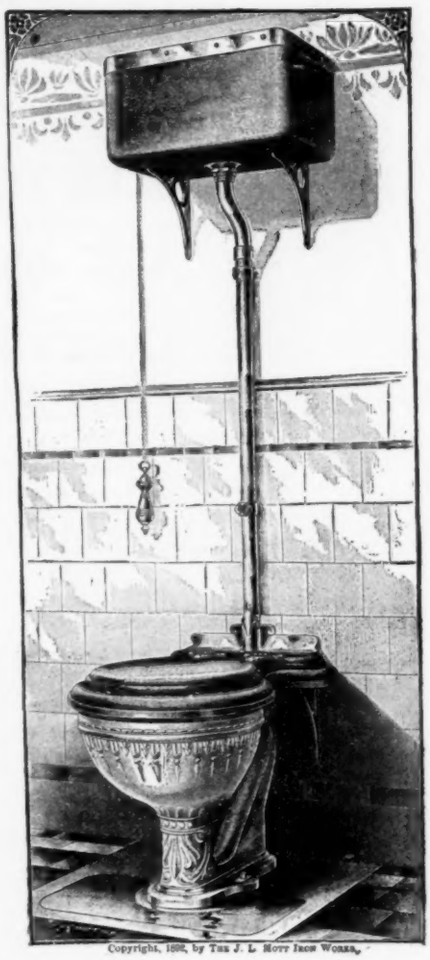

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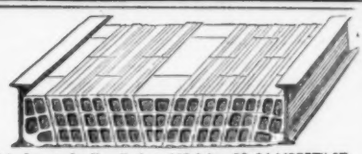
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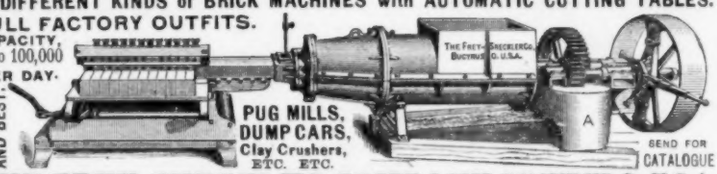

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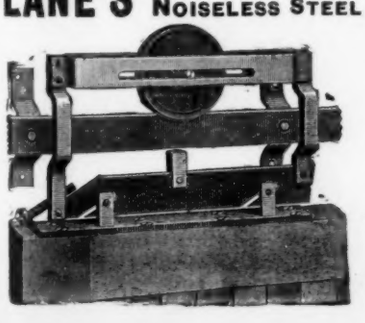
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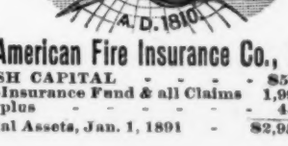

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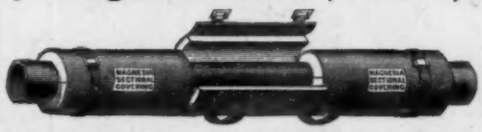

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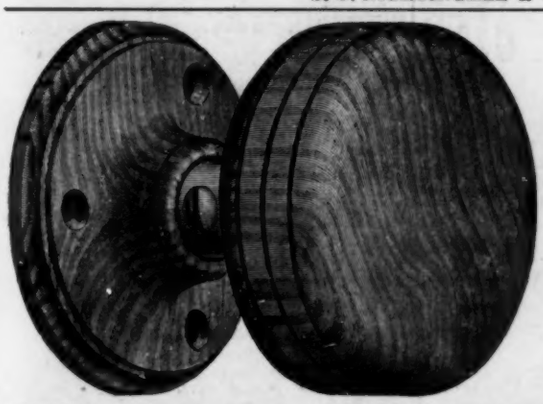

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American Architect and Building News

ADVERTISERS' TRADE SUPPLEMENT.

No. 118. SATURDAY, APRIL 2, 1892. Volume XXXVI, No. 840.

A HOT-WATER HEATER.

In selecting a heater the judgment of the non-expert is likely to be obscured by the fact that "Doctors disagree" — at least in their mode of setting forth what constitute the essential points. This is because each writer makes his definition to fit his own pet construction. In the Capitol this condition is reversed and the definition of the model heater was first formulated and then a heater planned to fit the definition.

The primary object is to heat a current of water whose movement is due solely to the application of heat. For this a grate is needed that will burn, without forcing, enough fuel to produce the quantity of heat that will warm the building. The water must then be made to pass over the fire in such a way as to absorb as nearly as possible all the heat.

The rapidity with which water takes up heat from fire is in direct proportion to the difference in temperature between the water and the fire. In cold water, circulation will start from a small fire with wonderful quickness. As it gets hotter, dampers must be closed and the products of combustion brought repeatedly in contact with the water-surfaces so that the less receptive water can extract from them their heat. As soon, therefore, as particles of water are heated a single degree they should make way for cooler and more receptive particles. The faster the water can be made to pass over the fire-surfaces the more heat it will carry away in a given time.

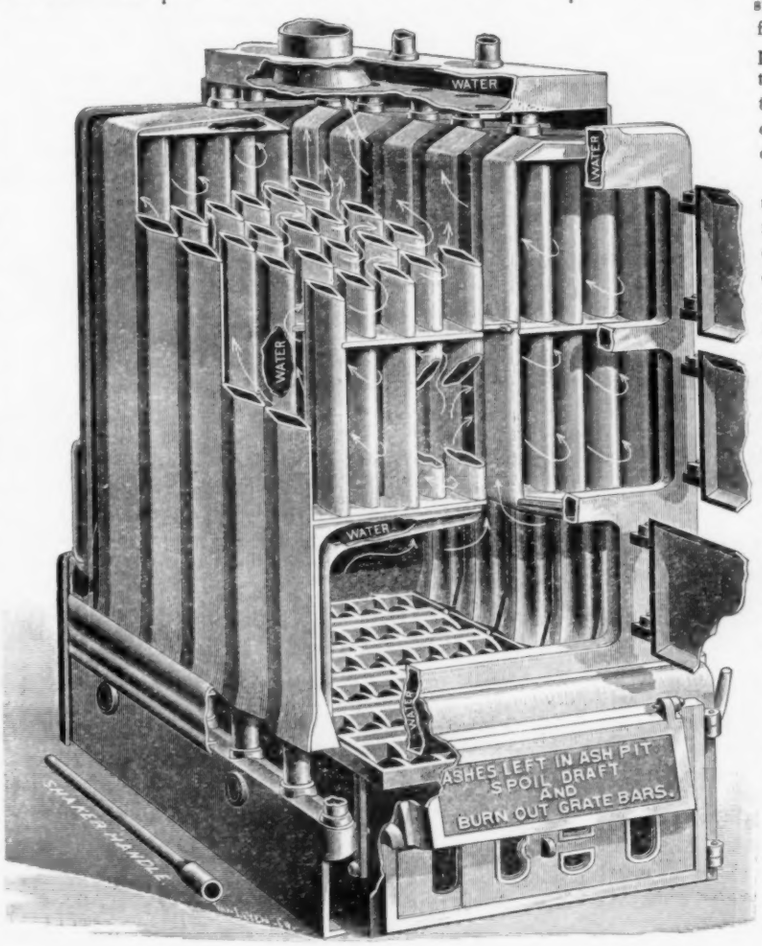
The only direction in which heat will move water is vertically — the hot water moving upward and the cold downward. Water in horizontal spaces will hardly move away from the fire at all save as it is forced by the movement of neighboring currents in vertical spaces. The force of the vertical currents will manifestly be lessened by just so much as it is spent in maintaining the lateral currents. Water in stagnant masses is only heated throughout by means of little vertical currents which it sets up within itself. Hence, vertical circulation throughout is the first point to be attained, as in this way the water can be passed most rapidly over the heating-surfaces.

If a current of hot air is passed upward through a vertical flue surrounded by water the greater part of the heat will move directly upward in the centre, where there is least friction, never touching the water-surface to impart to it any heat. The effect is the same when passing upward among several vertical tubes filled with water.

If a current of hot air is made to impinge pretty squarely against water-surfaces, every particle of air is brought in contact with the surfaces, giving off more or less heat. Hence, having vertical circulation, the surfaces can only be made fully effective by lateral draught.

Every time the products of combustion strike cooler water-surfaces more heat is imparted to the water, so they should be made to do this as squarely and as often as possible without destroying the draught.

Aside from its circulation, water is pretty nearly a non-conductor of heat. A heated particle of water will hardly give off any of its heat to a neighboring particle, so that the heating of a mass of water depends upon each particle in turn being brought into contact with the heat. Water in large bodies therefore heats far more slowly than when it is divided into small columns exposed to the fire on all sides, so that the greatest proportion of water is brought in contact with the heat and is itself heated. It is surface alone that gives power to a heater — good surface, well exposed to the direct action of the heat. Accordingly, the next desideratum is the largest extent of surface in proportion to size of grate and quantity of water contained in the heater.



The Capitol Hot-Water Heater.

A square pipe or section holds less than a round one having the same surface, but even this fails to give the full benefit of its surface. The most effective and practical form is a pipe of a pointed oval, or diamond shape.

Heaters should be shipped in sections, and the joints should be such as can be easily and perfectly made up by a mechanic of average intelligence.

The model joint should be a screwed joint, all metal, and it should be outside the heater, so as not to be affected by the action of the fire and to be accessible for any necessary tightening.

Get a heater, with the least possible flat surface to catch dirt, all fire-surfaces easy to brush, and no little flue-holes from which the soot can be but imperfectly removed.

The construction that is recognized as the best is the vertical section, where the grate-surface is always in the same proportion to the fire-surface.

The heater will not last forever, nor, like the "one-hoss shay," will all parts prove equally durable. Some part must give out first. Get a heater which will not be totally disabled by a single defective section, and one in which a broken part can be replaced quickly, cheaply and easily.

CAPITOL HEATER COMPANY,
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SPECIFICATION FOR WARREN'S NATURAL ASPHALT ROOFING.

"ANCHOR BRAND."

COVER the roof-boards with two thicknesses of Warren's Composite Roofing Felt, laying the felt with the manilla-paper side next the boards, and securing it with nails through tin buttons about two and one-half feet apart. Mop upon the entire surface of the felt thus laid a thin coating of Warren's "Anchor Brand" Natural Asphalt Roofing Cement. Lay into the cement as a cap-sheet, one thickness of Warren's "Anchor Brand" Natural Asphalt Roofing Felt, securing same at the upper edge by nails through tin buttons, about four feet apart and lapping each successive sheet about an inch over the preceding one.

Over the entire surface of the felt thus laid, spread a continuous and even, but not too thick coating of the said Asphalt Cement, and cover the same immediately, in the usual manner, with a sufficient body of well-screened gravel. If the roof is laid in cold weather the gravel is to be applied hot.

The mopping is to be done in strips the width of a sheet of felt, and the felt is to be rolled out immediately into the hot cement.

FLASHINGS.

For this roofing, copper flashings and eave stops fastened with composition nails are to be preferred.

Zinc, galvanized-iron or tin may be used, but are not as durable.

The eave stops are to be not less than two inches wide on the roof, laid over the felt, about five-eighths of an inch high above the felt, and are to extend downwards over the eave not less than one-half inch below the under surface of the roof boards. The flashing is to extend at least, two inches on the roof over the felt, is to be well nailed down, and covered with the cement when gravelling.

It is to project upwards against the wall at least five inches, with the joints overlapping not less than one inch, and well soldered.

The flashing is to be covered with a counter flashing (preferably of copper or lead) which is to reach within two inches of the roof, and turned into the wall at the top not less than one inch, and well secured by plugging.

The joints where it enters the wall are then to be cemented tight with good elastic cement.

ADVANTAGES OF NATURAL ASPHALT ROOFING OVER COAL TAR ROOFING.

1st. Very much greater durability. As we have shown, Natural Asphalt has been known to remain exposed for ages without alteration, being practically unchangeable in the atmosphere, and not liable to suffer injury by the greatest changes of temperature.

2d. The Asphalt Cement has more body than coal-tar pitch, and is a very much stronger and more tenacious cement.

3d. The Asphalt Cement will not run — being less affected by the heat of the sun than coal tar pitch.

4th. An Asphalt roof emits no disagreeable odor, and does not injure rain water.

ADVANTAGES OF NATURAL ASPHALT ROOFING OVER TIN ROOFING. — CHEAPNESS.

1st. The first cost is less. Tin plates are imported into this country under a duty of $2\frac{3}{10}$ cents per pound, and 76 per cent ad valorem, and while tin roofs are offered in all parts of the country for from $4 to $9 per square, the best grades of tin plate cannot be laid for less than the latter figures.

2d. It requires no expense for its continued preservation, while tin must be painted frequently.

3d. The cost of painting a tin roof during its lifetime, added to the first cost, makes it far more expensive than a Natural Asphalt Roof for the same length of time.

DURABILITY.

1st. A Natural Asphalt roof is not affected by changes of temperature, while the contraction and expansion of a tin roof under similar circumstances are often sufficient to cause it to buckle and leak at seams.

2d. A Natural Asphalt roof requires no attention to insure its durability. A tin roof, on the contrary, should the painting be neglected, rapidly deteriorates.

3d. A Natural Asphalt roof is not affected by gases, acids or moisture from beneath, to which so many roofs are subjected. A tin roof, under these conditions, is almost worthless.

4th. A Natural Asphalt roof is more substantial than a tin roof, and less easily injured by being walked upon, and by other external causes.

5th. A Natural Asphalt roof affords a much more thorough protection from fire either from within or without the building than does a tin roof, as the latter quickly unsolders, admitting a draught of air while the former remains perfectly air-tight.

NATURAL ASPHALT ROOF WITH PORTLAND CEMENT SURFACE.

To supply a certain demand for a paved roof, we put on over the gravel, where desired, a thin layer of the best Hydraulic Cement.

This, being divided into squares, has all the effect, appearance, and utility of a tile roof or pavement, and is a lighter and better roof. It becomes hard as a stone, forming a smooth, even, durable surface on which to walk.

This can be applied also, with great advantage, to the ordinary felt and gravel roof, either when first laid, or afterward, if the roof is in good condition.

This combination of an outer surface of Hydraulic Cement with a felt and gravel roof is secured to us by a separate patent.

As examples of our asphalt roofs covered with the Portland Cement surface, we refer to: U. S. Bureau of Engraving and Printing, Washington, D. C.; U. S. Post Office and Custom House, Nashville, Tenn.; Union Insurance Company Building, Philadelphia, Pa.; New York Tribune Building, New York, N. Y.

WARREN'S NATURAL ASPHALT READY ROOFING. — 2 PLY AND 3 PLY.

A durable roofing for either steep or flat roofs which can be applied by unskilled workmen.

This roofing is composed of roofing felt thoroughly saturated with a preparation of Natural Asphalt, the different layers of felt being cemented together with an Asphalt Cement.

The 3-ply has three thicknesses of felt with two layers of cement; the 2-ply, two thicknesses of felt with one layer of cement.

This roofing is surfaced-coated when laid, with a very durable liquid asphalt roof coating, and then sanded, thus rendering it perfectly fireproof, where sparks or cinders are likely to fall upon it.

The advantage of this roofing over the various prepared or ready roofings composed of coal-tar felt and pitch, consists in the far greater durability and strength of the Natural Asphalt materials employed in saturating, cementing together and surface-coating the felt; the nature of these materials being such that they will not dry up and become brittle by evaporation, under exposure to the heat of the sun. They are also unaffected by steam, gas, vapor or acid fumes.

This roofing is sold in rolls, ready for application, each roll covering one hundred square feet, including laps. This is the most durable prepared roofing in the market, and any person of ordinary mechanical judgment can apply it, by observing the printed directions furnished by us. Send for our circular on Natural Asphalt Ready Roofing.

WARREN CHEMICAL & MFG. CO.,
81-3 FULTON ST., NEW YORK.

EXTERIOR STAINS.

IN the artistic treatment of the exterior of a house, and especially in the harmony of color, consists often its chiefest charm.

Nature gives us many hints of how this can be attained. We note, for instance, that she never blinds us with glaring contrasts; masses of color in violent antagonism. On the other hand, we see beautiful effects in foliage with fruit or blossoms, where the contrasts are marked, but the colors are so blended as to avoid all crudeness.

This result has been attained with Creosote Stains, by putting one color directly over another. With red covered by green, for example, a beautiful effect like that of autumn foliage has been produced, the eye at close range being unable to note where green begins and where red, and at a distance the whole blending to beautiful neutral tints. An endless variety of charming effects may be produced by a proper selection of the two colors.

PAINTERS ENDORSE GRAPHITE PAINT.

AT the Fifth Annual Convention of the Master House Painters, held at Harrisburg in January, the question of "What is the best coating for a tin roof?" was carefully discussed. According to these experienced men, the first consideration is good tin for the roof. The painter and the paint are both frequently condemned, when the fault really lies in the tin. The second consideration is a proper paint. All cotton-seed, mineral and fish oils should be avoided and only the best linseed oil used, and this should be mixed with a pigment that will fully resist the in-

tense heat, which the tin absorbs, as well as the action of storms, both of which tend to decompose and destroy the paint.

The fact, that graphite is impervious to the action of heat or cold or any known chemical, makes it peculiarly suited for outside painting. Several members at the convention spoke of the very satisfactory results attained in using Graphite Paint. Instances were mentioned where roofs painted with Graphite Paint had not required repainting in from twelve to eighteen years. One member said, "My experience with tin roofs has led me to believe that Graphite Paint is really the best for standing. I know we painted a roof twelve years ago, I see it every-day from my window, and from appearances, it does not need anything more for five or ten years to come. The roof is very slippery to walk on and it is impossible for the water to lie there or for the sun to dry the oil out."

THE ECONOMY LOW-PRESSURE HOT-WATER HEATER.

The accompanying cuts illustrate two views of the Economy Hot-water Heater, cased and transverse sectional. It is made by the J. F. Pease Furnace Company of Syracuse, N. Y., and the company claims for it the same substantial and thorough construction which has always characterized the other lines of its products, bearing the trade name "*Economy*." While the heater is comparatively a new one, the strongest feature, the boiler or fire surfaces, has had a satisfactory time test in the Combination Water and Air Heaters made by the same company.

It is claimed that the heater is constructed with reference to a consistency between fire and grate surfaces, and in such a manner as to make every square foot of fire-surface effective. The water-circulation is positive and continuous. A corresponding circulation of both water and combustion products is established through and over the water-heating sections. The sinuous course of the water circulation is of the same character as that of the products of combustion.

A reference to the transverse view will show an unobstructed water-course which is formed over the fire a number of times at its highest temperature. At no point can the water entering the fire-pot find exit at the flow-pipes without repeatedly passing over the fire and its products. The fire-surfaces are so arranged and presented to the fire that every square foot must be touched by the fire, before the smoke-flue is reached.

The products of combustion impinge upon the under surface of the first and lower water-heating section "C," are drawn at high temperature against the two water sides, then entirely surrounding the first section "C," the full force of heat is distributed against the lower surface of the large and second section "C." The products of combustion then, passing through six ample flues near centre of the large section, entirely surround the small and third section, and after contact with the under surface of the top and last section the smoke and gases find exit at the smoke-flues.

In addition to the fire-surface thus obtained, the hollow fire-pot, it is claimed, is made especially effective fire-surface by special construction of the grate, which permits a a fluent draught around the sides of the pot and thus stimulates a strong combustion at the sides of the pot. Facility for dislodgement of ashes around the sides of the pot prevents accumulations which otherwise would impair the efficiency of the pot for practical heating-surface.

The two water sides each extending from feed-door to direct draught-pipe, prevent external waste of heat in cellar and provide a supplementary circulation of water. The lower part of each one is connected to the return head by pipe "L" and to flow outlet by pipe "M."

Through the clean-out and feed doors, the fire-surfaces can be cleaned of the natural accumulation of soot and ashes in ten minutes.

A peculiar advantage over ordinary sectional water-heaters is claimed in the erection of the heater. The water-heater proper is put together with extra strong nipples in two parts at the works, and thoroughly tested before shipment. The lower section "C" (transverse view) is connected to the hollow fire-pot "L" and the three sections above are fitted together. This leaves *for the local fitter but one interior connection to make*, the large nipple connection between the first and second section "C. C."

The heaters are tested to a pressure several times greater than the extreme hydrostatic pressure they may be expected to bear in low-pressure heating. The apparatus is not adapted to, or recommended for, any other system than the open-tank method of hot-water heating.

The heater is fitted with a rocking and dumping T-grate, which has been used with a large measure of success for the past eight years in the other styles of the Economy Heaters.

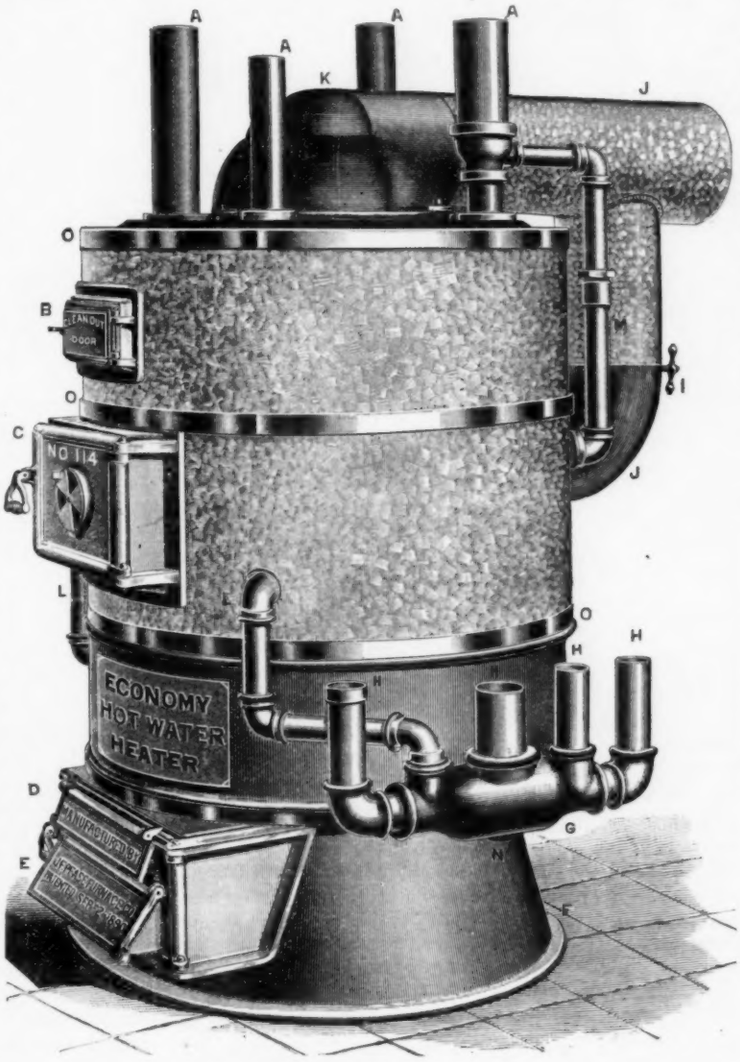
The cast-iron smoke-outlet can be connected to top so that the smoke-pipe may run in any direction from the heater that may be desired.

There is an indirect and direct draught connection from the heater to smoke-flue.

Several of these heaters have been in use during the past winter and with results that have justified the company in recommending them to the trade with a large measure of confidence.

Further particulars concerning this heater can be obtained from the J. F. Pease Furnace Company at its offices in Syracuse; 205 Water Street, New York; 75 Union Street, Boston; 1226 No. Third Street, Harrisburg; or at its sale agencies, 82 Lake Street, Chicago; 207 Market Street, Philadelphia; 180 Water Street, Pittsburgh.

J. F. PEASE FURNACE COMPANY,
SYRACUSE, N. Y.



Economy Hot-Water Heater. Exterior View.

NOTE.

We desire to state that we have secured the entire plant known as the Ramsey Engineering Works, located at Locust Point, Baltimore; and desire work in the line of marine or stationary engines and boilers, tanks, stand-pipes, etc.

Our boiler-shop, machine-shop, iron-foundry and pattern-shop are of the most modern construction, and equipped with the latest improved tools, travelling-cranes, etc.; and each department is in charge of a foreman of thorough training and experience, and only skilled mechanics find employment at our works.

Our shipping facilities are of the best; the Baltimore and Ohio tracks entering the premises.

With these advantages, a water frontage, and large wharf equipped with proper shears

for hoisting all classes of heavy work, we are in position to perform any necessary repairs to any portion of the construction of iron steamships, steamboats and tugboats, with the *quickest dispatch and in the most workmanlike and satisfactory manner.*

With these increased facilities, operating in conjunction with our Enterprise Iron Works, at Canton, we are also enabled to meet the increasing demand for the Zell Improved Water-Tube Safety Boiler, and the Olsen Combined Feed-Water Heater and Purifier, and to turn out only the best quality of work at the lowest prices.

CAMPBELL & ZELL COMPANY,
25 S. Gay Street, Baltimore, Md.

PLUMBERS' BLAST FURNACE.

Among the many specialities invented during recent years, for the benefit of plumbers, gas and steam fitters, the Blast Furnace manufactured by the Haines, Jones & Cadbury Co., of Philadelphia, is, perhaps, the most ingenious and useful.

It was invented in response to a universal demand coming from practical plumbers throughout the country for some way of melting solder quickly and keeping it melted without requiring constant attention. The contrivance must be light in weight, simple in construction and operation, low-priced and absolutely safe.

This demand was practically met in 1878, when the Haines, Jones & Cadbury Co.'s Blast Furnace was put upon the market.

Since that time 25,000 furnaces have been sold. Improvements have been added from time to time until it has been brought to its present perfection. The furnace may be briefly described as follows: The reservoir, which holds about one gallon of gasoline, is made of I–XXXX tin with malleable-iron bottom ring and galvanized cast-iron top plate. This top plate is tapped for three uprights to support the solder-pot; for a filling-screw; for a feed-pipe, through which the gasoline is conducted through a coil to the burner, and for a small cock through which air is forced into the reservoir by means of a rubber inflator.

On top of the three supports is a malleable-iron ring, upon which is placed the shield for holding the solder-pot. Suspended from this ring is an iron cup which encases a wrought-iron coil through which the gasoline is forced by air-pressure to the burner, connected at bottom of coil.

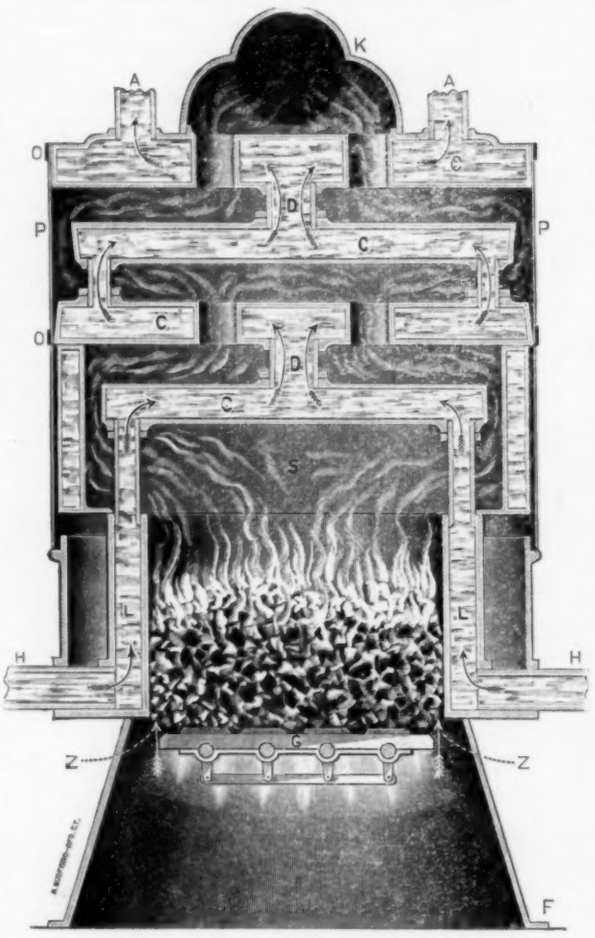
The furnace is used as follows: It is filled about half full of gasoline. The valve controlling feed-pipe to coil is then closed, and the reservoir is charged with air; upon opening valve the gasoline is forced up through and down the coil and lighted at burner. The flame confined by the cup burns up around the coil, heating the gasoline within the coil and forming it into vapor which forms a constant flame upon emerging at burner. Its intensity can be regulated at will by shutting or opening the needle valve.

The cup around coil and burner, catches any gasoline which may through carelessness of the operator be forced through before applying the match, and also, assists materially in confining the flame, and creating an upward draught about the coil, there being holes punched in the cup for admission of air.

The solder-pot is placed within a sheet-iron reverberatory shield, so made that it will throw the heat upon the pot to the greatest possible advantage.

The furnace will melt ten pounds of solder in six minutes, at a merely nominal expense, and gives out no smoke nor smell. It weighs but seven pounds, so can readily be carried in connection with the outfit of a plumber or tinsmith.

The shield can be of any size or shape, and there is an increasing demand for the furnace supplied with an oblong solder-pot to be used by electric linemen for soldering together the ends of wire; which can be done by simply springing the wire into the pot thereby saving much time and labor over the old way of pouring the melted solder on the joint. As the furnace is sure in its operation, and not affected by draughts, it can be used out of doors as readily as within a building. This fact, coupled with the many other advantages, has justly earned for it its present popularity.



Economy Hot-Water Heater. Transverse Sectional View.

HAINES, JONES & CADBURY COMPANY,
Philadelphia, Pa.

EXPANDING WATER CONDUCTOR PIPE.

Question. Why will the Irwin & Reber Expanding Water Conductor or Rain Spout stand severe freezing when filled with ice without fracturing it in any way?

Answer. Because the standing-seam on the pipe or spout is ample in size to admit of great expansion, and being double-locked or folded twice where the standing-seam is joined together makes it doubly strong.

Ques. Why will the Irwin & Reber pipe keep its shape after severe freezing when filled with ice and not bulge out in lumps or break the seam where joined together, like a flat lock or one-fold seamed pipe?

Ans. Because the standing-seam opens easily to allow for expansion, and prevents the pressure on the sides and front of the pipe disfiguring its shape and the standing-seam being doubled-locked keeps it strong and water-tight.

Ques. Can you notice any disfigurement in the shape of the Irwin & Reber pipe after severe freezing when filled with ice and the ice leaves it?

Ans. No; because the standing-seam being on the back part of the pipe and next the wall is not noticed after the ice leaves the pipe.

Ques. Will the Irwin & Reber pipe expand as well when made of very heavy material?

Ans. Yes; because it does not depend on corrugation for expansion, which has to be of very light material to expand in the corrugation, otherwise the flat lock or one-fold seam used on the corrugated pipe would break open, and it would be no better than a common round pipe if made of heavy material.

Ques. What gauges of galvanized-steel are used in the manufacture of the Irwin & Reber pipe?

Ans. Nos. 22, 24 and 26 gauges; No. 26 being the lightest gauge used, which is 4 gauges heavier than IC tin, and 2 gauges heavier than IX tin.

Ques. Can common galvanized-iron be used in the manufacture of the Irwin & Reber pipe?

Ans. No; it takes the very best soft steel or charcoal-bloom iron when galvanized to stand the double-locking or folding twice on the standing-seam without fracturing or breaking, therefore the very best soft steel, galvanized, is expressly made for the Irwin & Reber pipe, it being the only pipe made which is double-locked with a standing-seam.

Ques. Can tinners put up the Irwin & Reber pipes as quickly as any other kind of conductor pipe?

Ans. Yes; it takes less time to put up the Irwin & Reber pipe than any other made, because you do not have to solder any flanges on the pipe; you can drive or screw in the fasteners anywhere on a line, slip the sections of pipe together, shove in the slot of fastener, drive the wedge in on the opposite side of the double-lock, which is done quickly and makes a solid fastener.

Ques. Does it require strong fasteners to hold up water spouting, and what advantage has the Irwin & Reber fasteners over others?

Ans. It does when the pipe is large and the building which it goes on is high, and especially when filled with ice. You cannot solder on to galvanized-iron so as to be strong enough to hold up a heavy weight, and there being no solder required in putting up the Irwin & Reber pipe, it cannot break away from the fastener when properly put up, and the fasteners being made of the best malleable-iron, tinned, and of sizes from 3 inches

to 7 inches in length, are suitable for the different sizes of pipe, and will bear up tons in weight without breaking. They are made for pressed brick, common brick, stone or wooden walls, and are so arranged in size that the pipe can be put up so as to extend from ½ inch to 5 inches from the wall if desired.

Ques. Is the Irwin & Reber pipe sold at a low price, and can it be had on short notice?

Ans. The Irwin & Reber pipe is sold at a less price than many inferior makes of expanding pipe and at as low a price as any pipe could be made if as good material was used as in the Irwin & Reber pipe. It is carefully crated and delivered on board of cars without any extra charge on short notice, as a large lot of it is continually kept on hand so that no delay will occur in the prompt shipping. A special discount is given off the regular discount-sheet on large orders.

If you have not used the Irwin & Reber expanding conductor pipe, it will be to your advantage to give it a trial.

S. S. S. CONDUCTOR CO., (LTD.)
163 LACOCK STREET, ALLEGHENY, PA.

SPANISH TILES, COPPER OR TIN.

THE "Spanish" tile, easily applied, ornamental, durable and fireproof, handsomest covering for mansards, towers, gables, etc., is known by various names such as "English," "Spanish," "Japanese," "Vitrified" and "Terra-cotta" tiles.

These tiles are manufactured by us under *special patent*, of either *copper* or *tin*, with a special side-lock, making them absolutely storm and water proof, and are much easier to lay than the clay tiles.

COPPER TILES.

We can furnish "Spanish" tiles made of either 14-ounce or 16-ounce copper. For ordinary building would recommend 14-ounce — which is heavy enough, but for extra heavy buildings 16-ounce copper would be advisable.

Copper tiles are very much preferable to tin, and the cost compared with terra-cotta "Spanish" tiles, considering the extra weight, cost of freights, breakage, etc., is but little in excess, if any.

The copper tiles will last a life-time, becoming handsomer with age. This material also has a considerable cash value when taken off the roof, which cannot be said of any other material.

The construction of this tile is such that ample provision is made for the contraction and expansion of copper.

There are 180 tiles contained in one square (100 square feet), *and the weight per square of these tiles* — say of 16-ounce copper, is 175 pounds; whereas a square of the terra-cotta tiles weighs from 750 to 800 pounds.

Owing to fluctuations of market, on sheet-copper, special prices on copper tiles can only be named on application.

SPANISH TILES. — GUARANTEED BRANDS.

None but the very *best* roofing-plates can be used in the manufacture of these tiles. We are prepared to furnish with Spanish tiles all necessary ridge cresting, hips, eave "starters," etc., which will give a roof a neat finish and to suit all circumstances.

For valleys we recommend using tin or copper (the latter preferred), say 20 inches wide. This is an important feature in connection with a tile-roof. Have the tiles well trimmed, and also special care should be exercised in having them securely nailed, giving the tiles a large overlap in the valley.

These tiles are securely packed in boxes, and when made of tin, our price includes painting both sides.

We will name special prices for "Spanish" tiles made of our Guaranteed Brands on application.

The *best* is always the *cheapest* in the end.

MERCHANT & CO.,
PHILADELPHIA, CHICAGO, NEW YORK, LONDON.

A MEMORY JOGGER.

MANY architects find disagreeable extras coming to light when the final accounts for a building are presented by the builder, which might have been avoided had proper forethought been used in writing the specification. But any one who has ever had any experience with this business will realize how difficult a matter it is to carry in the mind the multifarious items which go to make up the modern structure. It is true an old specification may be, and generally is, used as a model from which to copy, or at least to call up the various headings. But this is not always satisfactory as the new job may necessitate items not included in the former one.

To remedy this, Harrison Bros. & Co., have published a list of everything which goes to make up the modern house, properly classified under its special specification heading. This list has been compiled with great care, several prominent Philadelphia architects and builders having assisted in its preparation, and every endeavor has been made to make it as complete as possible. The idea is that the architect, by keeping this list before him as he writes or dictates his specification may be reminded of the various items as they occur, and thus avoid their accidental omission.

Following the list is a detailed specification for painting, which is equally practical in its way. While Harrison Bros. & Co., will send a complimentary copy to any architect who may apply for it, still as they realize that it would be generally useful as a memorandum to be checked off, in writing each separate specification as it may come up, they have placed these books, of which the price is 25 cents in cloth, or 10 cents in paper binding, on sale with the

HOUSE PAINTING AND DECORATING PUBLISHING COMPANY,
18 SOUTH 7TH ST., PHILADELPHIA, PA.

THE WORTHINGTON AUTOMATIC FEED PUMP AND RECEIVER.

IN factories, hotels, hospitals and apartment-houses, or in any building where steam is used for heating purposes, it is always desirable and generally necessary to provide an apparatus for draining the radiators, coils and steam-pipes, and also to feed automatically to the boilers the water of condensation while it is in the hottest condition.

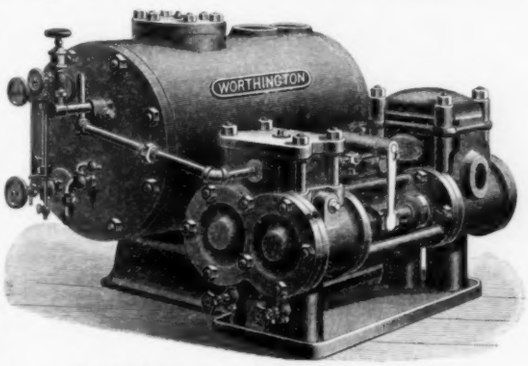
The absence of a suitable arrangement of this kind is often the cause of the disagreeable snapping and hammering sound in radiators and steam-pipes, which, particularly in hotels and apartment-houses, it is important to avoid. In manufacturing establishments, the addition of such an apparatus is not only a source of economy in coal-consumption, but it increases the efficiency of the heating-plant.

The Worthington Automatic Feed Pump and Receiver was designed to meet the several requirements of this service with the simplest and least complicated form of construction. This machine combines simplicity of construction with such improvements as especially fit it to the best modern practice in steam heating and circulation.

The external appearance of the apparatus is shown by the illustration. It will be noticed that the space it occupies is small, and that it is sufficiently low to permit the complete drainage of even the lowest line of pipe in a steam-heating system, the bottom of the tank being on a level with the floor. This gives the Worthington apparatus a great advantage over other devices for draining steam-pipes.

The operation of the Worthington Automatic Feed Pump and Receiver may be briefly described as follows:

The supply of steam which operates the pump is controlled by a valve and float in the receiver. As water-of-condensation from the coils is returned and falls into the receiver, the float rises, and, acting upon the valve, causes it to admit steam to the pump. The latter at once feeds this hot-water-of-condensation to the boiler without allowing it to cool. The fall of the water-level in the receiver lowers the float and lessens the speed of the pump. So at all times the action of the pump is to automatically supply to the boiler whatever water enters the receiver. The receiver rests on a solid base or bed-plate, which also supports the pump. All the connections and fittings shown in the cut are furnished with the machine, and are all that are necessary for successful operation. The float is a hollow sphere of copper of superior manufacture, and is thoroughly tested under a pressure of 200 pounds to the square inch. Particular attention is called to the fact that no packed valve-stems or stuffing boxes whatever are employed in this apparatus in connection with the governing device. This is a very great improvement over the ordinary form. It obviates entirely the jerky and unreliable action of the pump, often caused by the sticking of packed valve-stems. This feature will, no doubt, be appreciated by users of steam-heating apparatus. Only one connection is required to be made with the steam-pipe: a three-way valve operates to either shut off the steam entirely, to admit it to the automatic governing valve, or to admit it directly to the pump. This latter function is of particular value in the summer season, when the heating system is not in use, and makes it possible to run the pump for other purposes without disconnecting or altering the piping.



The Worthington Automatic Feed Pump and Receiver.

The Worthington "Regular Pattern" Pump is ordinarily used in this combination, but the "Low Steam-pressure" Pump can be used in places where steam at low pressure is

carried, the extra expense of the change being inconsiderable.

Number.	Size of Pumps.	Capacity in gallons per minute.	Square feet Radiating Surface Apparatus will drain.	Space Occupied in Inches. (Measurement over all.) Length.	Width.	Height.
1	3 x 2 x 3	12	5,000	38	23	19
2	4½ x 2½ x 4	20	10,000	42	29	23
3	5½ x 3½ x 5	35	20,000	45	31	28
4	6 x 4 x 6	60	40,000	50	33	28

HENRY R. WORTHINGTON,
86-8 Liberty St., New York.

Messrs. Alston & Heckert, 43 and 45 Sixth Avenue, Pittsburgh, Pa., would be pleased to receive catalogues, etc., from advertisers in the *American Architect.*

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING MARCH 18, 1893.

From Antwerp. — Steamer "*Illinois*," 1,000 barrels cement. E. Thiele; 10 casks do., G. W. Sheldon & Co.; 1,500 barrels do., Morris Ebert; 236 casks do., order. Steamer "*Rhynland*," 250 barrels cement, A. G. Drysters; 500 do., Morris Ebert.

From Bremen.—Ship "*Hilston*," 3,500 cakes asphaltum, C. H. Sancke; 3,997 do., E. Thiele; 4,252 do., 20 packages do., Gabriel & Schall; 1,000 casks cement, order.

From Glasgow.—Steamer "*Ethiopia*," 3 cases granite, Davidson & Co. Steamer "*Corean*," 17 cases granite, New York Granite Co.; 9 do., R. F. Downing & Co; 45 stones, G. P. Sherwood; 36 do. granite, W. O. Mitchell & Son; 99 do., Austin Baldwin & Co.

From Hamburg. — Steamer "*Holstein*," 1,008 casks cement, order. Steamer "*Gellut*," 560 casks cement, E. Thiele; 769 barrels Portland cement, order. Steamer "*Rugia*," 500 casks cement, Gabriel & Schall; 500 barrels Portland cement, order.

From Havana. — Steamer "*Yucatan*," 35 sacks asphalt, Balsells & Co.

From Leghorn. — Steamer "*California*," 32 blocks marble, order.

From Liverpool. — Steamer "*Greece*," 198 casks bricks, Meeker & Carter; 420 do., Howard Fleming; 1 cask cement, order. Steamer "*Servia*," 214 casks bricks, 34 do., Howard Fleming.

From London. — Steamer "*France*," 1 log wood, Willard Hawes & Co.; 1,153 casks cement, order. Steamer "*Ludgate Hill*," 200 logs hard wood, order.

From Naples.—Steamer "*California*," 1 case marble, order.

From Rotterdam.— Steamer "*Veendam*," 750 casks cement, W. H. Van den Toorn.

From Stettin. — Bark "*Bremerhaven*," 300 barrels cement, E. Thiele; 750 do., H. Marquardt & Co.

From Tampico. — Schooner "*Alert*," 43 barrels asphaltum, J. W. Wilson & Co.

From Trinidad. — Steamer "*Alps*," 450 tons asphaltum, order.

From Vera Cruz.—Steamer "*Yucatan*," 2 packages asphalt, L. Monjo, Jr., & Co.; 119 sacks do., Seeger, Guernsey & Co.

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

470,188. Door-Check. — William Gilfillan, Brooklyn, N. Y.

470,191. Rolling or Sliding Door.—Charles H. Golling and Frank D. Lea, Nevada, Ohio.

470,195. Magazine Steam-Generator.— Hampden Hyde, Rochester, N. Y.

470,203. Door-Catch.—John G. Martz, Big Rapids, Mich.

470,244. Fire-Place Attachment. — Charles A. Howe, Buchanan, Mich.

470,252. Post or Pile Driver. — Columbus E. McAuley, Erie, Tenn.

470,267. Water-Heating Attachment for Hot-Air Furnaces.—Howard A. Tinkham, Norton, Mass.

470,333. Process of Manufacturing Artificial Stones.— harles George, Berlin, Ger.

470,345. Heater.—Hosea Ball, New York, N. Y.

470,349. Shutter-Worker. — David Levy, New York, N. Y.

470,350. Hinge.—Philip S. Nunn, Cincinnati, Ohio.

470,412. Lock.—James Roche, Terryville, Conn.

470,433. Door-Check. — Thomas S. Miller, Philadelphia, Pa.

470,446. Hot-Air Furnace.—Dwight S. Richardson, Brooklyn, N. Y.

470,489. Water Cut-Off. — George Henkel, Springfield, Ohio.

470,514. Lightning-Conductor. — Harvey Simpson, Kenosha, Wis.

470,568. Chimney-Cap. — Joseph A. Hodel, Cumberland, Md.

470,570. Bush-Hammer. — Clark Holden, Barre, Vt.

470,655. Sash-Balance. — Washington Berry, Angel Island, Cal.

470,693. Apparatus for Moistening Air. — Emile Mertz, Rasle, Switzerland.

470,698. Plumber's Fastening-Strap for Lead Pipes.—John G. Murdoch, Cincinnati, O.

470,719. Sash-Fastener. — William M. Taber, Denison, Texas.

470,727. Heating Apparatus. — Hiram J. Wattles, Rochester, N. Y.

BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

ALTERATIONS.

Atlantic City, N. J. — Extensive alterations will be made to the Sea View Hotel.

Boston, Mass. — *Bedford St.*, cor. Kingston St., alterations to stores, throwing two buildings into one, for R. H. White & Co; cost, $4,500; owner, Fred L. Ames; contractors, Norcross Bros.; architects, Shepley, Rutan & Coolidge.

CHURCHES.

Asbury Park, N. J.—Baptist Church, stone church; cost, about $20,000.

Baltimore, Md. — Plans have been prepared for an edifice for the Oheb Shalom congregation; cost, abt. $200,000, including site; architect, J. E. Sperry.

Cape May, N. J. — Presbyterian church, to cost about $10,000.

Consohocken, Pa.—Church for St. Mark's Lutheran congregation; architect, Isaac Pursell, 119 South Fourth St., Philadelphia.

Philadelphia, Pa. — *Frankford Ave.*, cor. Bridge St., brick and stone chapel, Mt. Sinai Mortuary Chapel; architects, Furness, Evans & Co., 209 South Third St.

Susquehanna Ave., cor. Nineteenth St., brick and stone church; owner, Carmel Presbyterian Church.

Royersford, Pa. — Church will be built by the Evangelical Association.

Taylorville, Pa.—A committee of the Calvary Baptist Church will soon commence the building of a new edifice.

FACTORIES.

Chicago, Ill. — E. F. Getchell, six-st'y factory, 1906-1908 Wabash Ave.; cost, $30,000.

George W. Powell, three-st'y factory, Belmont Ave. and Herndon St.; cost, $15,000.

Philadelphia, Pa. — *Adams St.*, cor. Emerald St., three-st'y factory; owners, Firth & Foster.

Walnut St., Nos. 919-921, three-st'y carriage and wagon factory for W. D. Rogers & Son; owner and builder, Chas. C. Harrison; architects, Cope & Stewardson, 324-326 Walnut St.

HOTELS.

New York, N. Y. — *Seventy-second St.*, s s, bet. the Boulevard and West End Ave., seven-st'y apartment hotel; owner, Francis P. Burke; architect, Chas. T. Mott.

HOUSES.

Andover, Mass. — Cottage for Phillips Academy; cost, $8,000; contract to be let; architects, Cole & Chandler, Boston.

Baltimore, Md. — Chas. B. Hakesley & Bro., 8 three-st'y brick buildings, n s Biddle St., e Bond St.

Mrs. Charles Heid, three-st'y brick building, w s Eutaw St., bet. Baltimore and Lombard Sts.

Boston, Mass. — *School St.*, near Amory St., Ward 23, three-st'y frame dwell., hip roof, 24′ x 53′; owner, Mrs. E. M. McDonald; builders, McNeil & McKean.

South St., near St. Mark St., Ward 23, frame dwell., 22.6′ x 33′; owner, Mrs. S. A. Chesley; builder, J. P. Campbell.

Boynton St., near Call St., Ward 23, frame dwell., 26′ x 33′; owner and builder, J. C. Betts.

Wyman St., No. 26, Ward 23, three-st'y frame dwell., pitch roof, 27.4′ x 54.4′; owner and builder, J. L. Dakin.

Harriet St., near Parsons St., Ward 25, frame dwell., 25′ x 36′; owner, Catherine E. Devine; builder, George E. McNiel.

Chestnut St., rear No. 4, Ward 9, three-st'y brick dwell., flat roof, 17′ x 32′; owner and builder, N. E. Chase.

North Harvard St., cor. Kingsley St., Ward 25, two-st'y frame dwell., hip roof, 31.3′ x 49.7′; owner, Margaret F. Corley; builder, W. P. Jenkins.

Ashmont St., near Burt Ave., Ward 24, two-st'y frame dwell., hip roof, 29′ x 39′; owner, James Reid; builder, James Davidson.

Richfield St., near Columbia St., Ward 24, three-st'y frame dwell., pitch roof, 26′ x 50′; owner, Daniel Gfroeder, Jr.; builders, Tighe & Fraser.

Nelson St., near Evans St., Ward 24, two frame dwells., 26′ x 36.6′; owner, Susan E. Mayo; builder, G. W. Oliver.

Linden St., near Dudley Ave., Ward 23, frame dwell., 19′ x 24′; owner, Edwin Palmer; builder, Wm. Ash, Jr.

Brent St., near Carlisle St., Ward 24, frame dwell., 23′ x 84′; owner, A. J. Wyman; builder, H. N. Wyman.

Saratoga St., No. 855, Ward 1, three-st'y frame dwell., flat roof, 20′ x 33′; owner, Timothy Murphy; builder, Frank Finn.

Westford Pl., near Westford St., Ward 25, 2 three-st'y frame dwells., hip roofs, 33′ x 33′; owners and builders, Allcock & McKay.

East Third St., No. 742, Ward 14, two-st'y frame dwell., flat roof, 22′ x 61′; owner, Raphael McCormick; builder, F. Williams.

Cambridge St., cor. Windom St., Ward 25, frame dwell., 24′ x 34.6′, owner and builder, D. H. McKay.

Sagamore St., near Belfort St., Ward 24, frame dwell., 24.6′ x 35.6′; owner, Annie Riley; builder, Peter Riley.

Harris St., No. 19, Ward 6, four-st'y brick dwell., flat roof, 26.6′ x 30.3′; owner, Patrick Cunny; builders, D. Sullivan & Son.

Oak Terrace, near Lyon St., Ward 24, frame dwell., 20′ x 36′; owners and builders, Bernard & Hopey.

Elmont St., near Faxon St., Ward 24, frame dwell., 23′ x 33′; owner, Miss L. F. Chase; builders, Moulton & Chase.

Norfolk St., near Tremont St., Ward 24, frame dwell., 21′ x 48′; owner, A. I. Tavener; builders, J. A. Tucker & Son.

Armandine St., near Milton Ave., Ward 24, frame dwell., 24′ x 27′; owner, W. J. Connelly; builders, J. A. Tucker & Son.

Brooklyn, N. Y.—*Evergreen Ave.*, n s, 25′ e Schaeffer

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Rutledge St., s s, 80′ w Harrison Ave., two-st'y brick dwell. and wagon shop, tin roof; cost, $3,500; owner, H. Koster, adjoining house; architects, D. Acker & Son, 752 Broadway.

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McDougal St., n s, 180′ w Rockaway Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, John Guttoll, 290 Sumpter St.; architect, Chas. Infanger, 126 Van Siclen Ave.

Bedford Ave., w s, 50′ s Penn St., five-st'y brick dwell., tin roof; cost, $10,000; owner, O. J. Wells, 86 Joralemon St.; architect, J. G. Glover, 186 Remsen St.

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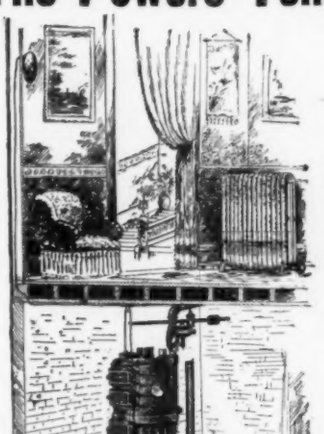

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Liberty St., e Railroad St., two-st'y brick dwell.; builder, Joseph H. Thompson, 446 Clinton St.

Lennox St., e Mt. Ephraim Pike, two-st'y frame dwell.; builder, Isidor Green, 410 Louis St., Liberty Park, N. J.

Sycamore St., No. 1151, two-st'y frame dwell.; owner, William Ross, Sycamore and Eleventh Sts.

Mt. Ephraim Pike, n Liberty St., two-st'y brick dwell.; builders, D. Leonard Moore & Co.

Carlisle, Pa.—Ground has been broken for building of ten dwells.; contractor, Samuel Wetzel.

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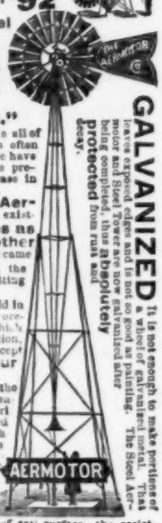

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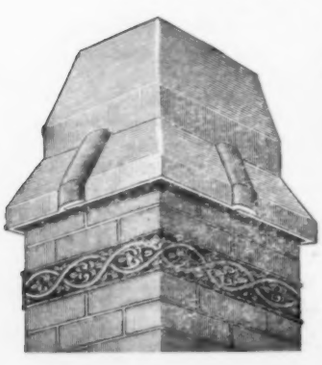

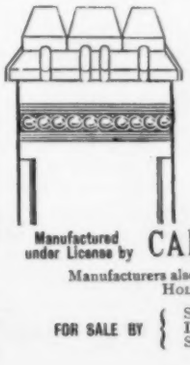

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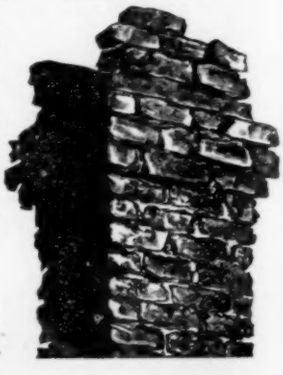

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THE AMERICAN ARCHITECT AND BUILDING NEWS

VOL. XXXVI. * REGULAR EDITION * NO. 850.

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ENGINEERING

DECORATION

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On Thursday, March 10th, 1892, a test of the leading Traps of the country was made before a Committee of the Board of Health of the City of Rochester, N. Y., for the purpose of ascertaining their merits as anti-siphonic fixtures. A number of makers of Traps had each claimed that his trap alone would retain its seal under conditions which would destroy the seal of other traps, and to decide this point, was the object of the test. The Traps tested were the S-Trap with the McClellan Vent, the Delehanty, the Sanitas, the Puro, the Bower, and the Bennor traps. The first three traps were represented by their manufacturers. The last three were not so represented, but were tested under precisely the same conditions. On March 11th, the daily papers of Rochester contained an account of this test, showing that the Sanitas Trap was the only one which was able to withstand the severe conditions of the test. The Committee made its report to the Board of Health March 21, and the following is an extract from their report:—

> To the Board of Health: — Your Committee begs leave to present to the Board, the following report on the result of the test in relation to Trap Siphonage: The Traps selected for the test were the Bennor, the Bower, the Puro, the common S-Trap with McClellan Vent, the Delehanty and the Sanitas Trap. These Traps were all easily siphoned with the single exception of the *SANITAS*, which alone successfully resisted Siphonage. In view, therefore, of the results of the experiments, your Committee respectfully recommends that Section 26 of the Rules and Regulations of the Board of Health, of the City of Rochester, relating to Drainage and Plumbing, be revised to read as follows: "All Traps shall be protected from Loss of Seal, through evaporation, siphonage or air-pressure. . . . The Sanitas Traps may be used without venting. In case other Traps are used in connection with the fixtures above enumerated in this Section, they shall be connected with Vent pipes, in the manner hereinafter prescribed, in these Regulations."

The above report and the revised rules were adopted by the Board of Health. The Sanitas is the only Trap allowed by the City of Rochester, without venting. As Architects in other cities are interested in saving their clients the needless expense, and the dangerous complications of back venting, we invite their co-operation in getting the Anti-Siphon Traps allowed in their respective cities, without venting.

One Architect in Chicago saved his client two thousand dollars in one building, by using the Sanitas Traps unvented. It is also for the interest of the plumber to do away with back venting, which does not show, but takes money which would otherwise be used in high grade exposed fixtures, which would be a credit to the plumber, the architect, and owner, alike.

We shall be glad to correspond with Architects, Plumbers and Sanitarians regarding these matters, and to give them a list of prominent buildings in different cities in the country, using the Sanitas Traps without venting and secure their co-operation in getting the repeal of improper plumbing restrictions.

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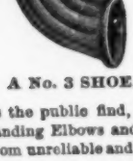

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Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 60	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar split ₱ M.	@	@	*Not sold.*	24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*				
Ash [*Kiln-dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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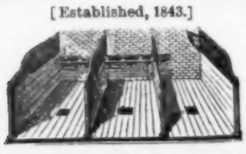

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Common: *Cargo afloat.*				
Pale	2 00 @ 2 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25			" @ 7 00
Long Island	@ 6 00	Bay State Hard 7 00 @ 8 00		Salmon @ 5 00
Up River	5 25 @ 5 50			Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers
" 1st	6 00 @ 6 25			@ 10 00
Hollow	@ 13 00	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Medium "
Fronts:				@ 12 00
Croton, Brown	@ 13 00	Philadelphia 40 00 @ 45 00		Red "
" dark	@ 14 00			@ 13 00
" red	@ 14 00	Phila. mould 50 00 @ 80 00		Dark "
Chicago pressed (Anderson)			15 00 @ 27 00	@ 13 00
" Moulded			65 00 @ 350 00	Pressed
Baltimore	37 00 @ 41 00	Anderson 14 00 @ 32 00	@ 55 00	18 00 @ 20 00
Philadelphia	23 00 @ 24 00		45 00 @ 50 00	Best Paving
Trenton	22 00 @ 23 00		45 00 @	@ 14 00
Milwaukee			25 00 @	Second "
Moulded:			60 00 @ 100 00	@ 13 00
Glens Falls Red Pressed	@ 37 00		30 @	Third "
" " Buff "	@ 30 00		35 @	@ 12 00
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @115 00		@ 120 00	@ 82
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 90 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk		St. John 1 00	55 @	White Mash
Wisconsin Lime			60 @	@ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush.*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 4 50

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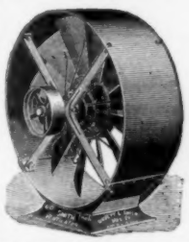
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	1 05 @ 1 35
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	1 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	325 @ 4 00
" black, Lehigh	@	@	7 50 @ 8 00	00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	@	@	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	40 @ 41	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	43 @ 44	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 41	51 @ 51	@ 44
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20		2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 5	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 10	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" (℔ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.)
Plain	@ 1 50	@ 1 75	*Not Sold.*	@ 90
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 00
Acorn, Japanned	@ 65	@ 50	*Not Sold.*	1 35 @ 2 75
Ball Tip, Boston Finish (℔ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	48 @ 50
Bronze metal	@ 10	@ 10	@ 12	@ 1 25
Brass (for cupboards.)	@	@	@	@ 1 00
Ebony	@	@	@	@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not Sold.*
Lava	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Hemacite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, solid	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6¾
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe				
Iron:	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, up to and including 36 ft.	@	@	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ½ c. advance	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
Channel-Beams				



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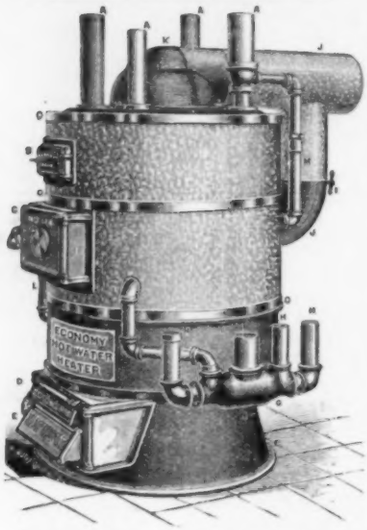

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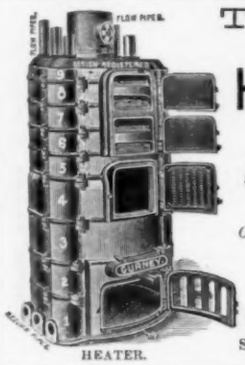

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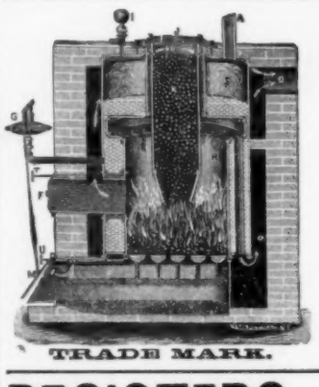

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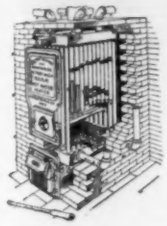

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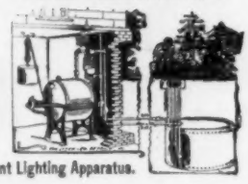

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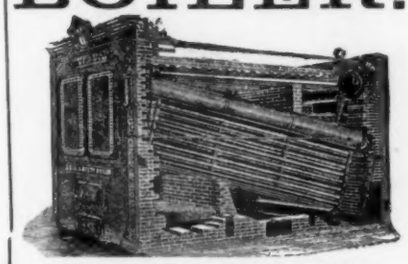

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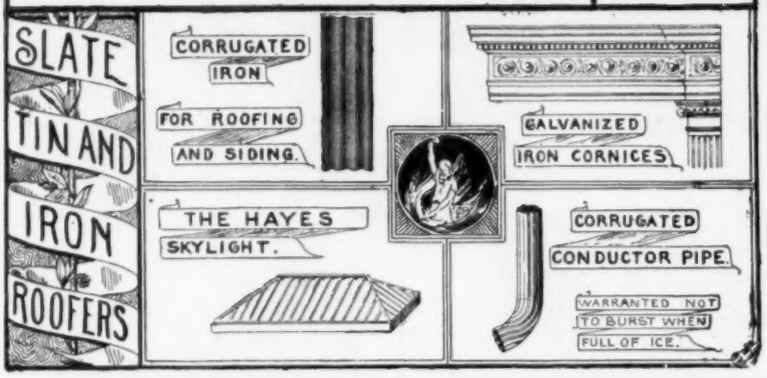

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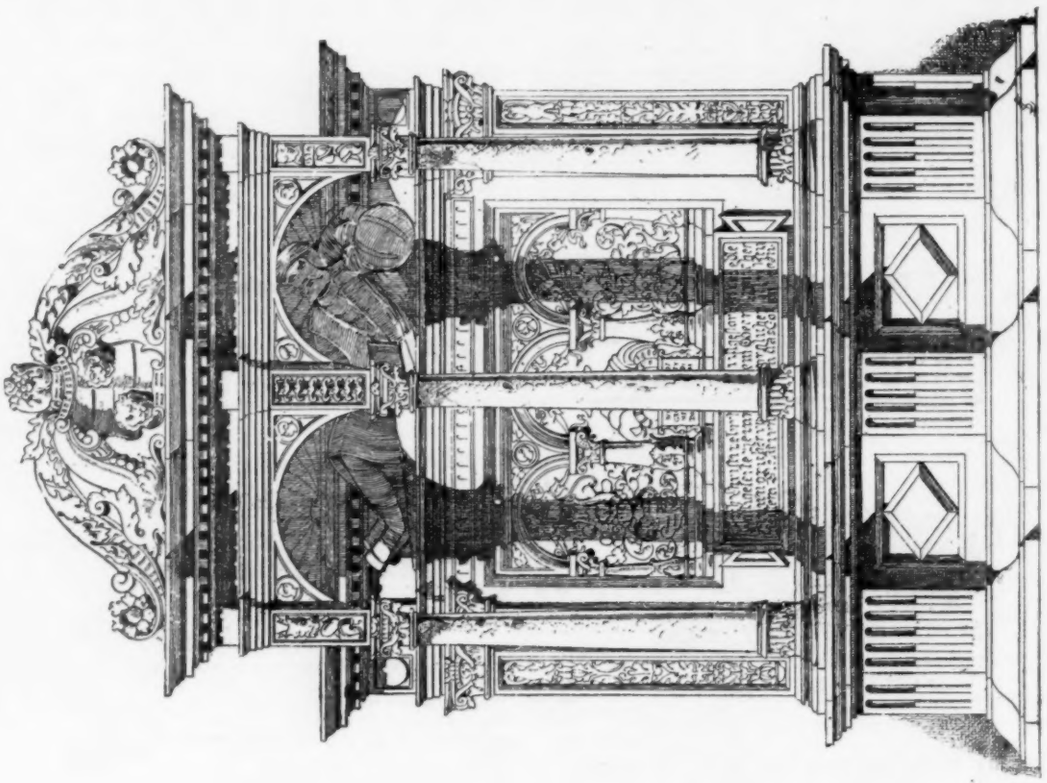

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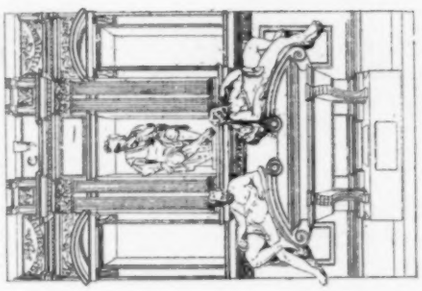

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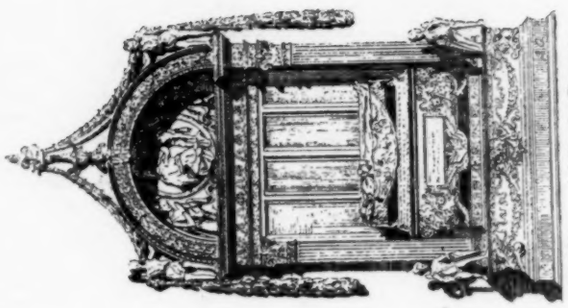

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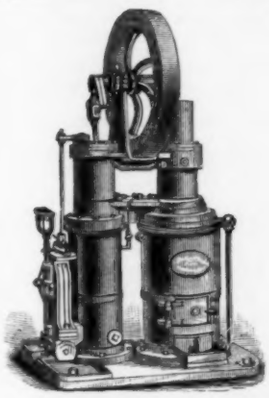

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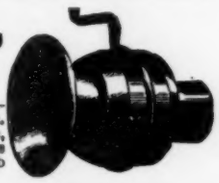

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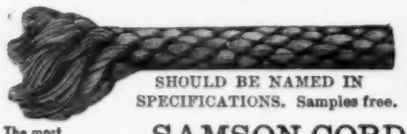

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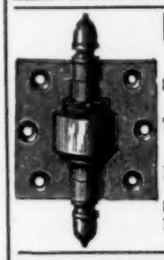

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Brooklyn, N. Y. — *South Elliot Pl., No.* 98, four-st'y brick dwell., tin roof, four-st'y brick extension, tin roof; cost, $3,000; owner, Louis Woelfle, 74 Lafayette Ave.

Henry St., n w cor. Cole St., three-st'y brick store and dwell., tin roof, three-st'y brick extension, tin roof, and other alterations; cost, $3,500; owner, John Kenney, 1 Fourth Pl.; architect, J. W. Bailey, 66 Court St.

Smith St., No. 27, three-st'y brick store and dwell., tin roof, raised one story, four-st'y brick extension, tin roof, added, and internal and other alterations made; cost, $3,000; owner, J. Wusti, 27 Smith St.; architect, J. E. Eisenach, 59 Court St.

Bedford Ave., No. 1248, four-st'y brick dwell., tin roof, internal and other alterations; cost, $3,500; owner *Brooklyn Daily Eagle*, 34 Fulton St.; architect, E. Van Voorhis, 903 Kent Ave.

Camden, N. J.— *Broadway*, cor. Branch St., alterations to building; owners, I. J. West & Son.

Pine St., No. 575, frame addition to building; builder, Loring W. Fawcett, 578 Clinton St.

Sylvan St., No. 910, frame addition to dwell.; owner, Sophus Peterson, 910 Sylvan St.

Vine St., cor. Eighth St., 2 one-st'y frame additions to dwells.; builder, N. Eagle, 644 North Eighth St.

Chambersburg, Pa. — Two-st'y brick addition to dwell. slate roof; owner, Mrs. Eva S. Hall; architect, Franklin Keagy.

Chicago, Ill. — Chicago Board of Education, three-

(Continued on page xv.)

FACTS ABOUT
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BUILDING INTELLIGENCE.

st'y addition to school-house, Greenwood Ave. and Forty-sixth St.; cost, $50,000.

Bohemian Brewing Co., three-st'y addition, 684-706 Blue Island Ave.; cost, $40,000.

Sage G. Hall, one-st'y addition, 551 Clark St.; cost, $3,000.

Harrisburg, Pa. — *Locust St.*, cor. Second St., alterations and additions to the Russell Building; owners, Johnson & Co.

New London, Pa. — Annex will be built to the Presbyterian Church.

Philadelphia, Pa. — *Chestnut St., No.* 2214, exterior and interior alterations to store-building; owner, George Allen.

Sansom St., n w cor. Broad St., additions and alterations to Union League Building; cost, about $150,000; architect, Robert G. Kennedy, Drexel Building.

West Chester, Pa. — Interior and exterior alterations to dwell. of Major L. G. McCauley; architect, L. C. Baker, Jr., Philadelphia.

APARTMENT-HOUSES.

Brooklyn, N. Y.—*Bleecker St.*, s s, 470' e Irving Ave., three-st'y frame flat, tin roof; cost, $3,500; owner, S. Nolan, 739 Myrtle Ave.; architect, Ernest Dennis, 115 Himrod St.

Chicago, Ill. — A. Gilchrist, two-st'y flats, 5745 State St.; cost, $4,000.

W. Fiedler, two-st'y flats, 6459 McChesney Ave.; cost, $3,000.

Jacob Minke, three-st'y flats, 662 West North Ave.; cost, $10,000.

E. P. Goodwin, 2 two-st'y flats, 6936-6938 Harvard St.; cost, $8,500.

H. J. Snapp, 2 three-st'y flats, 4210-4212 Evans Ave.; cost, $13,000.

M. Reynold, two-st'y flats, 4840 Wabash Ave.; cost, $5,000.

N. F. Pierce, two-st'y flats, 4520 St. Laurence Ave.; cost, $3,000.

C. H. Neumann, two-st'y flats, 6520 State St.; cost, $5,000.

Samuel Zeitter, two-st'y flats, 6056 Dearborn St.; cost, $5,500.

John Ford, 3 two-st'y flats, 1946 Milwaukee Ave.; cost, $12,000.

Joseph Fritz, two-st'y flats, 779 North Lincoln St.; cost, $3,500.

G. L. Max, three-st'y flats, 342 Marshfield Ave.; cost, $6,000.

Fred Wagner, 2 two-st'y flats, 11-13 Ambrose St.; cost, $6,000.

Fred Winston, 2 four-st'y flats, 421 East Superior St.; cost, $15,000.

M. Losby, three-st'y flats, 359 St. Louis Ave.; cost, $6,000.

H. Soelk, two-st'y flats, 437 North Hoyne Ave.; cost, $5,000.

William Jlett, 3 two-st'y flats, 265-257 Francisco Ave.; cost, $9,000.

Anton Glerer, two-st'y flats, 835 North Wood St.; cost, $3,000.

J. J. Murth, three-st'y flats, 410 West Division St.; cost, $6,000.

I. Rosenthal, three-st'y flats, 445 Marshfield Ave.; cost, $7,500.

Jacob Friedman, three-st'y flats, 632 West Twenty-first St., cost, $6,000.

James Ambrose, three-st'y flats, 1365 Twenty-second St.; cost, $6,500.

W. N. Edson, two-st'y flats, 5527 Sherman St.; cost, $3,000.

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BUILDING INTELLIGENCE.

Morgan L. Swift, 5 three-st'y flats, 4550-4558 Ellis Ave.; cost, $60,000.

Mrs. M. P. Clay, 2 four-st'y flats, 2621-2623 Dearborn St.; cost, $10,000.

J. A. Mengerson, 2 three-st'y flats, 387-389 California Ave.; cost, $11,000.

T. Sursticky, 3 three-st'y flats, 831-833 Twenty-second St.; cost, $7,000.

S. L. Thompkins, 2 three-st'y flats, 5438-5440 Monroe Ave.; cost, $10,000.

F. Kinder, three-st'y flats, 1508 School St.; cost, $6,000.

J. Friesleben, two-st'y flats, 4818 Evans Ave.; cost, $6,000.

P. McCann, two-st'y flats, 6348 Evans Ave.; cost, $2,300.

J. C. Saxe, 2 two-st'y flats, 6010-6012 Wharton Ave.; cost, $8,000.

C. Young, two-st'y flats, 406 Thomas St.; cost, $4,000.

M. Fasse, three-st'y flats, 425 South May St.; cost, $5,000.

W. Bergemann, three-st'y flats, 597 North Wood St.; cost, $3,500.

L. Pensky, two-st'y flats, 3560 Vermont Ave.; cost, $4,000.

Ernest Buschwalz, 3 two-st'y flats, 778 North Washtenaw Ave.; cost, $4,500.

Ernest Will, 3 three-st'y flats, 137-139 Dayton St.; cost, $12,000.

W. H. Launder, two-st'y flats, 3528 Stanton Ave.; cost, $5,500.

N. Schmidt, three-st'y flats, 497 Twenty-eighth St.; cost, $6,500.

New York, N. Y. — *Seventy-first St.*, s s, 137' w Lexington Ave., five-st'y brick flat, tin roof; cost, $16,000; owner, Nicholas Geraty, 163 East Seventy-second St.; architects, Thom & Wilson, 1267 Broadway.

Seventy-first St., s s, 105' w Lexington Ave., five-st'y brick flat, tin roof; cost, $24,000; owner, Nicholas G. Geraty, 163 East Seventy-second St.; architects, Thom & Wilson, 1267 Broadway.

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BUILDING INTELLIGENCE.

five-st'y brick flat, tin roof; cost, $25,000; owner, Henreich D. A. Baholm, 2154 Second Ave.; architects, Schneider & Herter, 48 Bible House.

Willis Ave., n w cor. One Hundred and Thirty-sixth St., five-st'y brick flat, tin roof; cost, $35,000; owners, Bertine & Egan, 675 East One Hundred and Forty-first St.; architect, John C. Burne, 1531 Third Ave.

Willis Ave., w s, 25′ n One Hundred and Thirty-sixth St., five-st'y brick flat, tin roof; cost, $20,000; owners, Bertine & Egan, 675 East One Hundred and Forty-first St.; architect, John C. Burne, 1531 Third Ave.

Orchard St., Nos. 163-165, 2 five-st'y brick flats, tin roofs; cost, $36,000; owners, Sternkopf & Strohaecker, 49 East Fiftieth St. and 28 St. Mark's Pl.; architects, Kurtzer & Rohl, cor. Third Ave. and Seventh St.

Tenth Ave., s e cor. Manhattan St., five-st'y brick flat, tin roof; cost, $18,000; owners, Tone & Spear, 415 West One Hundred and Twenty-sixth St. and Eighth Ave. and One Hundred and Twenty-fifth St.; architect, J. Averitt Webster, 217 West One Hundred and Twenty-fifth St.

One Hundred and Twelfth St., s s, 145′ w Third Ave., 3 five-st'y brick flats, tin roofs; cost, $60,000; owner, Hugh Reilly, 719 East One Hundred and Forty-sixth St.; architect, Edward Wenz, 1491 Third Ave.

Ninetieth St., s s, 100′ e Tenth Ave., 3 five-st'y brick flats, tin roofs: cost, $30,000; owner, Samuel Benson, 316 West Thirtieth St.; architect, Mortimer P. Thain, 150 Broadway.

One Hundred and Thirty-third St., s s, 135′ w Fifth Ave., 2 five-st'y brick flats, tin roofs; cost, $21,000; owner, Andrew Judge, One Hundred and Sixty-fourth St. and St. Nicholas Ave.; architect, John C. Burne, 1521 Third Ave.

Third Ave., Nos. 458-460, five-st'y brick flat, tin roof; cost, $24,000; owner, Jacob Schmitt, 971 Lexington Ave.; architect, Chas. Rentz, 153 Fourth Ave.

One Hundred and Thirty-fourth St., s s, 160′ e Lenox Ave., 2 five-st'y brick flats, tin roofs; cost, $44,000; owner, Louis Wirth, 166 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.

Allen St., No. 122, five-st'y brick flat, tin roof; cost, $20,000; owners, Volkmar & Wirth, 297 East Tenth St. and 145 Delaney St.; architect, Bruno W. Berger, 80 Bible House.

Lewis St., No. 63, five-st'y brick flat, tin roof; cost, $18,000; owners, Weil & Mayer, 227 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

One Hundred and Twenty-ninth St., s s, 125′ e Seventh Ave., five-st'y brick flat, tin roof; cost, $20,000; owner, George Leonhard, 154 West One Hundred and Twenty-ninth St.; architect, Geo. H. Griebel, 247 West One Hundred and Twenty-fifth St.

Mott St., No. 59, five-st'y brick flat, tin roof; cost, $16,000; owner, Sarah Levy, 418 East Fifty-second St.; architects, Schneider & Herter, 48 Bible House.

HOUSES.

Boston, Mass. — *Granite St.*, near Richards St., Ward 13, five-st'y brick storage and manufactory, flat roof, 29′ x 70′; owners, American Sugar Refining Co.; builder, C. W. Cole.

Blue Hill Ave., Nos. 4 and 6, Ward 20, frame dwell. and store, 18′ x 38′; owner, J. P. Nichols Estate; builders, Winslow & Wetherell.

Hyde Park Ave., near Mt. Hope St., Ward 23, frame dwell., 22′ x 34.6′; owner, Daniel Grady; builder, Joseph Landrey.

Rossiter St., near Olney St., Ward 24, frame dwell., 2? x 34′; owner and builder, W. A. Davidson.

Le Roy St., near Ditson St., Ward 24, frame dwell., 22′ x 26′; owner, Ellen J. Perkins; builder, C. A. Milton.

Laurial Ave., near Lyon St., Ward 24, frame dwell., 23′ x 33′; owners and builders, Bernard & Hopey.

BUILDING INTELLIGENCE.

Rill St., near Hancock St., Ward 24, frame dwell., 25′ x 38′; owner, Elizabeth S. Bickford; builder, John McDowell.

Morton St., near Codman St., Ward 24, frame dwell., 28′ x 29′; owner, Charles Hayden; builders, Richardson & Rafter.

Sarin St., No. 67, Ward 21, three-st'y frame dwell., flat roof, 28′ x 44′; owner, P. R. Sutherland; builders, Chisholm & Sullivan.

Tileston St., near Blue Hill Ave., Ward 24, frame dwell., 23′ x 33′; owner, Mrs. Sarah Greeley; builder, R. McDonald.

Saratoga St., No. 231, Ward 1, three-st'y frame dwell., flat roof, 21′ x 53.6′; owner, C. W. Harding; builder, D. D. Fish.

Falcon St., near Meridian St., Ward 1, frame dwell., 23.6′ x 50′; owner, J. Beganson; builder, D. D. Fish.

Tuttle Ave., No. 36, Ward 24, frame dwell., 28.4′ x 44.4′; owner, Francis A. Neft; builder, A. McEacham.

Oakdale St., No. 21, Ward 23, 2 three-st'y frame dwells., flat roofs, 31′ x 37′; owner, E. Britschneider; builders, Sittig Bros.

Atherton St., near Copley St., Ward 23, two-st'y frame dwell., hip roof, 29′ x 44′; owner, Mrs. S. M. Hausding; builder, M. A. Blanchard.

Boylston Terrace, near Centre St., Ward 23, frame dwell., 27.4′ x 46.6′; owner, W. B. Blakemore; builder, M. A. Blanchard.

Brooklyn, N. Y. — *India St.*, s s, 175′ w Oakland St., three-st'y frame dwell., gravel roof; cost, $4,100; owner, Patrick O'Brien, 170 India St.; architect, Philemon Tillion, 202 Manhattan Ave.

Lexington Ave., s s, 230′ e Classon Ave., 4 four-st'y brick dwells., gravel roofs; cost, $7,500 each; owner, architect and builder, Jos. C. Taylor, 83 Third Pl.

Willoughby Ave., s s, 200′ e Sumner Ave., two-st'y and mansard brick dwell., shingle roof; cost, $22,000; owner, Jos. Fallert, Meserole Ave. and Lorimer St.; architect, Th. Engelhardt, 905 Broadway.

Hopkins St., s s, 125′ e Throop Ave., three-st'y brick dwell., tin roof; cost, $10,000; owner, B. Elsasser, 220 Hopkins St.; architect, Frank Holmberg, 1169 Broadway.

Belmont Ave., s e cor. Elton St., two-st'y frame dwell., tin roof; cost, $3,600; owner, M. O. Hall; architect, C. H. Smith, East Rockaway, L. I.

Bushwick Ave., No. 866, three-st'y frame dwell., tin roof; cost, $5,600; owner, John Weber, Willoughby Ave.; architect, E. Dennis, 115 Himrod St.

Nassau Ave., n s, 75′ e Manhattan Ave., three-st'y frame dwell., gravel roof; cost, $5,000; owner, Andrew Nesbet, 96 Eckford St.; architect, P. Tillion, 202 Manhattan Ave.

Chicago, Ill. — McCauley & Lake, 6 two-st'y dwells., Seventy-eighth and Wright Sts.; cost, $36,000.

Thomas G. Buttin, 2 three-st'y dwells., 5041-5043 Washington Ave.; cost, $10,000.

James B. Stubs, three-st'y dwell., 3411 Calumet Ave.; cost, $7,000.

Turner & Bond, fifteen cottages, 3448-3452 and 3398-3332 Oakley Ave.; cost, $12,000.

W. B. Suffering, two-st'y dwell., 519 Winchester Ave.; cost, $5,000.

Dr. John Chew, three-st'y dwell., Astor and Scott Sts.; cost, $20,000.

John Phelps, 2 two-st'y dwells., 6617-6619 Ellis Ave.; cost, $10,000.

J. Ryan, two-st'y dwell., Forest Ave. and Ninety-third St.; cost, $3,500.

C. Burke, two-st'y dwell., Sixtieth St. and Ellis Ave.; cost, $4,500.

M. B. Mills, two-st'y dwell. and barn, 205 North Leavitt St.; cost, $5,000.

C. L. Bonney, two-st'y dwell., 1208 Willard Ave.; cost, $3,000.

A. H. Pickering, two-st'y dwell., 4583 Oakenwald Ave.; cost, $8,000.

Norristown, Pa. — Sixteen dwells. will be built for John Jamison.

Isaac Landis will build nine dwells.

Ten dwells. will be built by James A. Hurst.

Ground has been broken for four dwells. for Benjamin Evans.

Philadelphia, Pa. — *Wingohocking St.*, n w cor. Oakland St., two-st'y brick dwell.; owner, W. M. France, 4444 Wingohocking St.

Hope St., e s, s Tioga St., two-st'y brick dwell.; owner, John McConnell, 3249 Livingston St.

Green Lane, s s, bet. Thirteenth and Broad Sts., two-st'y brick dwell.; contractor, Chas. Sylvester, 206 North Fifth St.

Newbold Ave., e s, s Ruscomb St., two-st'y brick dwell.; owner, John Warbrick, Newbold Ave.

Fifteenth St., e s, cor. Rush St., 3 three-st'y brick dwells.; owner, J. Clark Miller, 1509 Clearfield St.

Vance Ave., n s, bet. Eighty-sixth and Eighty-seventh Sts., two-st'y brick dwell.; owner, Henry Carroll, Tinnicum Ave., s Eighty-sixth St.

Pennsgrove St., e Forty-second St., 10 three-st'y brick dwells.; owner and builder, Joseph H. Virkler, 1008 Belmont Ave.

Wood St., No. 524, three-st'y dwell.; owner, Jas. Gill, 2000 Girard Ave.

Juliana St., e s, n Fairmount Ave., two-st'y dwell.; owner, Adolph Bloom, Fairmount Ave. and Beach St.

Sixteenth St., w s, s McKean St., 5 two-st'y brick dwells.; owner, John Crawford, 2054 Tasker St.

Richmond St., No. 2832, three-st'y brick dwell.; contractor, A. McClay, 3026 Richmond St.

Higbee St., s e s, bet. College Ave. and Walker St.; owner, Robert L. McDade, 2445 Howard St.

Salmon St., No. 2843, three-st'y brick dwell.; contractor, Thomas Gamon, 3027 Richmond St.

Haywood St., n s, w Krail St., 2 two-st'y dwells.; builder, Chas. E. Bartle, Lehigh Ave., cor. Thirty-third St.

Beach St., No. 963, two-st'y dwells.; builder, L. Douglass, Clifton Heights, Pa.

York St., n s, e Thompson St., two-st'y brick dwell.; owner, John Curry, 2717 York St.

Yocum St., s s, bet. Fifty-eighth and Fifty-ninth Sts., 2 two-st'y dwells.; owners, Robinson Bros., Woodland Ave. and Fifty-ninth St.

Forty-first St., w s, bet. Parrish and Poplar Sts., 6 three-st'y brick dwells.; builders, W. J. Shedwick & Bro., 3410 Mt. Vernon St.

Palm St., e s, bet. Poplar and Parrish Sts., 7 two-st'y brick dwells.; builders, W. J. Shedwick & Bro., 3410 Mt. Vernon St.

Henry St., e s, n Seymour St., 2 two-st'y brick dwells.; builder, H. C. Kuhn, 4337 Germantown Ave.

(*Continued on page* xix.)

Prof. Thos. Egleston, Professor of Mineralogy, Columbia College School of Mines, and a very high authority on the subject, in a paper read before the American Society of Civil Engineers, on "The Decay of Building Stone," says:

"Of the sandstones having a silicious binding material, Potsdam sandstone which has been used in Columbia College, and the silicious triassic sandstone, which was the material used in the lower part of the cathedral at Rodez, are the best examples, and in these no decomposition takes place. Of these sandstones, it will be noticed that there are two general varieties, one in which the quartz grains are more or less large, and are rounded, but are cemented together by silica. . . . In the Potsdam sandstone, on the contrary, the grain of the quartz is quite small; its shape when it can be distinguished at all by a magnifying glass, is always angular. . . . This is the best of all building materials though mouldings made of the other variety [large grains] will last for many years without suffering any appreciable amount of deterioration."

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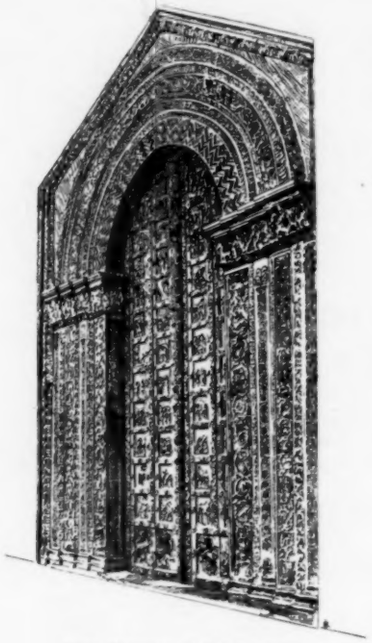
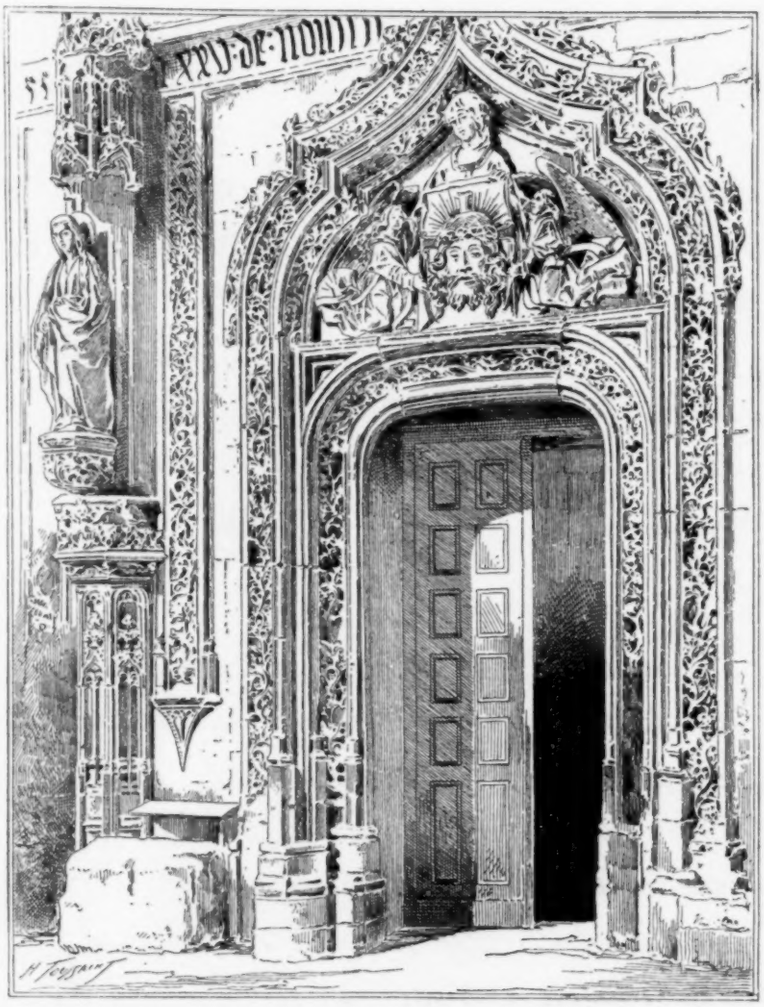
West Doorway of the Cathedral, Palermo, Sicily.



Main Entrance of the Cathedral, Monreale, Sicily.



Doorway of the Cloister of San Juan de los Reyes, Toledo, Spain.

DOORWAYS.

Gaul St., s e s, n Montgomery Ave., 8 two-st'y brick dwells.; owner, Samuel R. Brown, 1763 Frankford Ave.

Almond St., s w cor. Front St., three-st'y brick dwell.; owner, William Christy, 1606 Wharton St.

York, Twentieth and Twenty-first Sts. and Glenwood Ave., 100 two and three st'y dwells.; builder, W. S. P. Shields, 731 Walnut St.

Pennsgrove St., e Forty-second St., 10 two-st'y brick and stone dwells.; builder, J. H. Virkler, 1008 Belmont Ave.

Dover St., bet. York and Cumberland Sts., 13 two-st'y brick and stone dwells.; builder, C. A. Warfield, 1807 North Twenty-second St.

Seventh St., e s, bet. Jefferson and Oxford Sts., three-st'y brick dwell.; contractors, Smith & Fitler, Baring and Thirty-ninth Sts.

Canby St., e s, bet. Twelfth and Thirteenth Sts., 3 two-st'y brick dwells.; builder, Wm. Murphy, 723 Walnut St.

Rosehill St., w s, bet. Indiana Ave. and Clearfield St., 4 two-st'y dwells.; owner, Carl Schildt, 2607 Harold St.

Montgomery Ave., n s, s Gaul St., 9 three-st'y brick dwells.; owner, S. R. Brown, 1763 Frankfort Ave.

Pittsburgh, Pa. — Brick dwell.; owner, James S. Ramsey; contract to be let; architect, Frank Irving Cooper.

Providence, R. I. — *Humboldt Ave.*, s e cor. Taber Ave., two-and-one-half-st'y frame dwell for Philip A. Monroe; cost, $4,000; architect, T. W. Angell.

Lexington Ave., s w cor. Niagara St., two-and-one-half-st'y frame dwell.; cost, $4,000; owner, Val. Germershausen; builder, David W. Briggs.

Lisbon St., e s, near Chalkstone Ave., two-and-one-half-st'y frame dwell.; cost, $2,500; owner, Henry Wills; builder, Charles H. Phillips.

Valley St. n w cor., two-and-one-half-st'y frame dwell.; cost, $5,000; owner, Thos. Grimes; builders, Bottomley & Brady; architect, E. I. Nickerson.

Valley St., s w cor. Eustis St., two-and-one-half-st'y frame dwell.; cost, $5,000; owner, Thos. Booth; builders, Bottomley & Brady.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $2,800; owner, N. J. Butler; contractor, W. H. Bartlow.

Two-st'y brick dwell.; cost, $2,300; owner, H. Koch; contractor, R. Doerste.

Two-and-one-half-st'y brick dwell. and store; cost, $4,900; owner, A. Duper; contractor, F. Thoms.

Two-st'y brick dwell.; cost, $4,000; owner, Mrs. Barkhoefer; contractor, H. N. Rockledge.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, C. Riedisser.

Two-st'y brick dwell. and store; cost, $4,000; owner, S. Kregseman; contractor, T. Knittel.

Three-st'y brick dwell.; cost, $3,000; owner, N. Heninghaus; contractor, T. Knittel.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, G. Gerhardt.

Two-st'y brick dwell. and store; cost, $5,000; owner, E. Vickery; contractor, H. Vickery.

Two-st'y brick dwell.; cost, $5,000; owner, E. Vickery; contractor, H. Vickery.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, J. B. Wright.

Two-st'y brick dwell ; cost, $14,000; owner, J. Quante; contractor, H. Huelsman.

Two three-st'y brick dwells.; cost, $20,000; owner, J. Dwyer.

Two-st'y brick dwell.; cost, $6,000; owner, F. R. Dunn; contractor, B. Scutt.

Two two-st'y brick dwells.; cost, $10,000; owner and contractor, C. Riedisser.

Two two-st'y brick dwells. and store; cost, $10,000; owner, E. Vickery; contractor, H. Vickery.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, J. B. Wright.

Two-st'y brick dwell.; cost, $5,000; owner, B. Teckenbrock; contractor, J. Schaeffer.

Two-st'y brick dwells.; cost, $5,000; owner, Mary McLaughlin; contractor, J. Schaeffer.

Two two-st'y brick dwells.; cost, $6,000; owner, F. J. Conwall; contractor, J. Dunaway.

Three-st'y brick dwell.; cost, $3,000; owner and contractor, R. Ruth.

Two two-st'y brick dwells.; cost, $5,000; owner and contractor, J. Cassidy.

Two two-st'y brick dwells.; cost, $20,000; owner and contractor, F. C. Higgins.

Two-st'y brick dwell.; cost, $6,000; owner, E. J. Maer; contractor, W. H. Clemens.

Two-st'y brick dwell.; cost, $4,500; owner and contractor, S. Meuer.

Two-st'y brick dwell.; cost, $3,500; owner, D. Becker; contractor, J. Hocker.

Two-st'y brick dwell.; cost, $20,000; owner, E. S. Rowse; contractor, F. S. Green.

Two-st'y brick dwell.; cost, $6,000; owner, J. Pechan; contractors, Doelpel & Son.

Two-and-one-half-st'y brick dwell.; cost, $11,750; owner, Mrs. M. C. Mudd; contractor, C. Johnson.

Two-st'y brick dwell.; cost, $5,800; owner, M. Lichtwie; contractor, C. Schmidt.

Two two-st'y brick dwell.; cost, $5,000; owner, M. Haeg; contractor, N. J. Goodenough.

Two-st'y brick dwell.; cost, $3,000; owner, E. C. Gray; contractor, C. Thuener.

Two-st'y brick dwell. and store; cost, $4,000; owner, S. Kregesman; contractor, J. Knittel.

Two-st'y brick dwell.; cost, $3,900; owner and contractor, D. Clifford.

Two-st'y brick dwell.; cost, $4,000; owner, S. Dempsey; contractor, J. Wilkinson.

Two-st'y brick dwell.; cost, $6,000; owner, J. C. Fox; contractor, J. Noecker.

Two-st'y brick dwell.; cost, $5,000; owner and contractor, F. C. Higgins.

Two-st'y frame dwell.; cost, $3,800; owner, N. Wright; contractor, F. J. Haimburger.

Two-st'y frame dwell.; cost, $7,000; owner, J. G. McNair; contractors, J. W. Barnes & Co.

Two-st'y brick dwell.; cost, $5,000; owner, E. T. Gall; contractor, C. Thuener.

Three-st'y brick dwell.; cost, $14,000; owner, C. Rowell; contractor, S. M. Ross.

Two two-st'y brick dwells.; cost, $5,800; owners, King & Fleming; contractor, J. V. Majors.

Tower City, Pa. — *Colliery Ave.*, cor. Grand Ave., three-st'y dwell. for J. H. Dixon.

Tradeswell, Pa. — A dwell. will be built by Eli L. Clymer.

West Chester, Pa. — *North Darlington St.*, 12 three-st'y brick dwells.; owners, Michael and Timothy Farrell.

Fayette St., w New St., 20 three-st'y brick dwells.; owner, Timothy Buck.

Worcester, Mass. — *Canterberry St.*, three-st'y frame dwell.; owner, J. Whalen; contractors, Davis & Melican.

Raymond St., three-st'y frame dwell.; owners, Allen & Forbes; contractor, E. B. Rogers.

Chatham St., two-st'y frame dwell.; owner, J. F. Wescott; day work.

Lawrence St., three-st'y frame dwell.; owner, A. King; contractor, A. J. Fortier.

Water St., 3 four-st'y frame dwells.; owner, Patrick Ronayne; contractor, William Power; architects, Barker & Nourse.

Vernon St., three-st'y frame dwell.; owner, Mortimer J. Donahue; contractor, Patrick Casey.

Whipple St., 2 two-and-one-half-st'y frame dwells.; owner, Chas. Enberg; contractor, L. M. Petterson.

York, Pa. — Five two-st'y brick dwells., mansard roofs; owners, Geo. W. Mann and John Plank.

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BUILDING INTELLIGENCE.

OFFICE-BUILDINGS.

Knoxville, Tenn. — An office-building to cost about $65,000 is contemplated.

PUBLIC BUILDINGS.

Annapolis, Md.—Anne Arundel County contemplate building a court-house to cost abt. $25,000.

Dawson, Ga. — The contract has been awarded for the building of a court-house for Terrell County, to cost about $35,000.

SCHOOL-HOUSES.

Chicago, Ill. — Board of Education, school-house Washtenau and Genevieve Aves.; cost, $50,000.

Nashville, Tenn. — School building to cost abt. $40,000 will be built.

New Brighton, Pa. — Central School, brick and stone school-building; contractor, George Krueger; architect, Frank Irving Cooper.

STABLES.

Boston, Mass. — *Millet St., rear*, near Wheatland Ave., Ward 24, one-st'y frame stable, 22′ x 25′; owner, Lawrence Kenney; builder, H. J. McNabb.

Pope St., near Curtis St., Ward 1, two-st'y frame stable, flat roof, 30′ x 50′; owner, T. C. Trennor; builder, J. S. Martin.

Davenport St., Nos. 1-11, Ward 19, three-st'y brick stable, flat roof, 70′ x 119.6′; owner, James St. Cook; builder, A. G. Drisko.

Hill St., near Murdock St., Ward 25, one-st'y frame stable, hip roof, 24′ x 27.3′; owner, D. F. McCarthy; builder, F. O. Morrill.

Pynchon St., rear, No. 77, Ward 21, frame stable, 25.6′ x 42′; owner, City of Boston; builder, J. J. Flynn.

Brookline, Mass. — *Davis Ave.*, frame stable, 26′ x 42′; owner, Chas. H. Rutan; builder, Frank B. McCabe; architects, Shepley, Rutan & Coolidge, Boston.

Camden, N. J.—*Jackson St., No.* 510, two-st'y frame stable; contractor, William Thompson, 1620 Broadway.

Germantown, Pa. — *Upsal St.*, n s, w Emlen St., two-st'y stable; contractor, H. H. Buzby, 5258 Main St.

Knoxville, Tenn. — Four-st'y brick stable, to cost about $15,000, will be built by McKinney & Carpenter.

New York, N. Y. — *Forty-eighth St.*, n s, 150′ e First Ave., two-st'y brick stable, cement roof; cost, $6,000; owner, Jacob Fleishhauer, 348 East Fiftieth St.; architects, A. B. Ogden & Son, 1031 Madison Ave.

Sixty-ninth St., s s, bet. Tenth St. and West End Ave., 4 three-st'y brick and stone stables; architects, Van Waganen & Card.

Fourth Ave., w s, bet. Fiftieth and Fifty-first Sts., six private stables; cost, about $100,000; owner, Thomas Brennan.

Philadelphia, Pa. — *Torresdale St.*, w s, n Howell St., two-st'y stable; builder, H. P. Castor, 5811 Torresdale St.

Hope St., w s, n Diamond St., two-st'y stable; builders, Wm. Bartholomew & Son, 1929 Howard St.

Toledo St., bet. Forty-third and Forty-fourth Sts., one-st'y stable; owners, Thos. M. Granger & Co.

Buist Ave., s e cor. Eighty-first St., two-st'y stable; builder, George Kyle, Avenue F and Seventy-fifth St.

Hamilton St., s s, bet. Eleventh and Twelfth Sts., two-st'y brick and stone stable; contractors, Armstrong & Printzinghoffer, 136 South Fourth St.

Becket St., n s, bet. Sixteenth and Seventeenth Sts., three-st'y stable and factory; contractor, Geo. S. Sipps, 619 Walnut St.

East Dauphin St., No. 2552, two-st'y brick stable; owner, A. Oppenlander, 1039 Jefferson St.

Arch St., No. 624, two-st'y brick stable; contractors, S. McClellan & Son, 223 Vaughn St.

Clinton St., w s, n Fisher's Lane, two-st'y stable; builder, George Wells, 7024 Keystone St.

Germantown Ave., s e cor. Juniata St., one-st'y stable; builders, Krugg & Sharp, 4138 Germantown Ave.

South Brooklyn, N. Y. — Constable Bros., 218 West Twenty-third St., New York, have plans on the boards for two stables.

Worcester, Mass. — *Pleasant St.*, one-st'y frame stable; owner, Mrs. Emma Clarkson; day work.

Stafford St., one-st'y frame stable; owner, Jonathan Butterworth; contractor, Thomas Wilding.

Maywood St., two-and-one-half-st'y frame stable; owner, F. W. Clapp; contractor, C. A. Stone.

STORES.

Boston, Mass. — *Boylston St.*, cor. Exeter St., Ward 11, six-st'y brick stores and offices, flat roof, 68′ x 97′; owner, J. S. Stone; builder, G. W. Pope.

Brooklyn, N. Y. — *Bainbridge St.*, n e cor. Ralph Ave., 2 four-st'y brick stores and dwells., tin roofs; cost, $11,000 each; owner and builder, Richard D. Robbins, 554½ Monroe St.; architect, H. Vollweiler, 483 Hart St.

Knickerbocker Ave., w s, junction Flushing Ave. and George St., 3 three st'y frame stores and dwells., tin roofs; cost, $17,000; owner, Leonard Eppig, 54 Central Ave.; architect, Th. Engelhardt, 905 Broadway.

Liberty Ave., s e cor. Snediker Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $4,000 each; owner, Chas. E. Cummings, on premises; architect, A. J. Warren, 2581 Atlantic Ave.

Berkeley Pl., n e cor. Fifth Ave., four-st'y brick store and apartment-house, tin roof; cost, $10,000; owner and builder, Thos. Brown, 667 Tenth St.; architect, W. M. Coots, 26 Court St.

North Ninth St., n s, 125′ e Berry St., four-st'y frame store and dwell., tin roof; cost, $6,500; owner, John O'Grady, North Eighth St.; architect, A. Iperhart, 147 Broadway.

Sutter Ave., s e cor. Snediker Ave., three-st'y frame store and dwell., tin roof; cost, $4,500; owners and builders, John P. & W. M. Free, Blake St. and Snediker Ave.

Evergreen Ave., n w cor. Willoughby Ave., 2 four-st'y frame stores and dwells., tin roofs; cost, $13,000; owner, C. Renant, 971 Willoughby Ave.; architect, H. Vollweiler, 483 Hart St.

Eastern Parkway, n s, 25′ w Barbey St., two-st'y frame store and dwell., tin roof; cost, $3,000; owner, Fred Reiss, Vermont St. and Eastern Parkway; ar-

chitect and builder, Chas. S. Haviland, 222 Vermont St.

Myrtle Ave., s s, 105′ 3″ e Willoughby Ave., four-st'y frame stores and dwells., tin roofs; cost, $5,500 each; owner, E. Hendrickson, 534 Lafayette Ave.; architect, W. H. Hendrickson, 534 Lafayette Ave.

Christopher Ave., n e cor. Belmont St., four-st'y brick store and dwell., tin roof; cost, $12,000; owner, Jacob Jacobs, Stone Ave., near Belmont St.; architect, A. J. Warren, 2581 Atlantic Ave.

Tompkins Ave., n s, 22′ s Jefferson Ave., 3 four-st'y brick stores and dwells., gravel roofs; total cost, $26,000; owner, Geo. H. Stone, 1258 Dean St.

Twenty-second St., n s, 210′ w Fourth Ave., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, P. Gaebons, 49 Mercer St., New York City.

Thirty-ninth St., n e cor. Seventh Ave., three-st'y frame store and dwell., tin roof; cost, $3,600; owner, Mrs. A. C. Holmes, 48 Van Dyke St.; architect, Michael Brophy 337 Thirty-ninth St.

Broadway, n e cor. Greene Ave., four-st'y brick store, office-room and dwell., tin roof; cost, $10,000; owner, R. B. Stokes, 228 Stuyvesant Ave.; architect, Frank Holmberg, 1169 Broadway.

Cincinnati, O.—W. Hooper, seven-st'y brick and stone stores and warehouse, Fourth and Elm Sts.; cost, $50,000; architects, Samuel Hannaford & Sons.

E. Gholson, four-st'y brick and stone stores, Fifth St.; cost, $6,500; architect, S. S. Godley.

Harrisburg, Pa.—*Reily St.*, cor. Third St., three-st'y brick store and dwell.; contractor, J. Wheeler; architects, Miller & Smith.

New York, N. Y.—*Grand St., No.* 263, four-st'y brick store building, tin roof; cost, $20,000; owner, Abraham Wolf, 30 Nassau St.; architects, DeLemos & Cordes, 146 Broadway.

West Broadway, No. 118, six-st'y brick store, asphalt roof; cost, $20,000; owner, Myron W. Dore, 177 Bowery; architects, Maynard & Westover, 1193 Broadway.

Broadway, Nos. 495-497, eight-st'y brick store, mansard and gravel roof; cost, $225,000; owner, Augustus D. Juilliard, 16 West Fifty-seventh St.; architect, Alfred Zucker, Lincoln Building, Union Square.

Waverly Pl., Nos. 28-30, eight-st'y brick store, gravel roof; cost, $132,000; owners, Henry and Samuel Coon, 130 West Seventy-eighth St. and 23 East One Hundred and Twenty-eighth St.; architect, Alfred Zucker, Lincoln Building, Union Square.

Twelfth Ave., w s, 74′ s One Hundred and Thirty-first St., two-st'y brick store; cost, $9,000; owner, Cudahay Packing Co., Omaha, Neb.; architect, E. W. Gray, 271 West One Hundred and Twenty-first St.

Broadway, Nos. 495-497, eight-st'y stone, brick and terra-cotta store; cost, $800,000; owner, Cossitt estate; architect, Alfred Zucker.

Waverley Pl., Nos. 28-30, eight-st'y brick, stone and terra-cotta store; cost, $128,000; owners, S. & H. Corn; architect, Alfred Zucker.

Philadelphia, Pa.—*Race St.*, cor. Eighth St., store; architect, Isaac Pursell, 119 South Fourth St.

St. Louis, Mo.—Two-st'y brick store; cost, $10,000; owners, Hellermay & Grimm; contractor, C. Riedisser.

Four-st'y brick store; cost, $96,000; owner, Famous Shoe & Clothing Co.; contractors, Millburn & Rich.

Four-st'y brick store; cost, $103,000; owner, Knox Estate; contractor, Millburn & Rich.

Two-st'y brick store and dwell.; cost, $5,000; owner, C. F. Bates; contractors, Kennedy & Mathias.

Two-st'y brick store and flats; cost, $10,000; owner, Mrs. Murphy; contractors, Cornwell & Crawford.

TENEMENT-HOUSES.

New York, N. Y.—*Fourth Ave.*, e s, 25′ 11″ s Ninety-eighth St., 3 five-st'y brick tenements, tin roofs; cost, $42,000; owner, Francis Blessing, 65 East One Hundred and Tenth St.; architects, Thom & Wilson, 1267 Broadway.

Ninety-eighth St., s s, 80′ e Fourth Ave., five-st'y brick tenement, tin roof; cost, $14,000; owner, Francis Blessing, 65 East One Hundred and Tenth St.; architects, Thom & Wilson, 1267 Broadway.

WAREHOUSES.

Chicago, Ill.—Samuel Parliament, six-st'y warehouse, 235-237 Michigan St.; cost, $12,000.

New York, N. Y.—*West Fourth St., No.* 10, six-st'y brick warehouse; owner, Frank A. Seitz; architects, Cleverdon & Putzel.

Philadelphia, Pa.—*Dauphin St.*, cor. American St., five-st'y brick and stone stove warehouse; owners, Abram Cox Stove Co.; architect, Walter Geissinger, s w cor. Chestnut and Twelfth Sts.

St. Louis, Mo—Two-st'y brick warehouse; cost, $17,500; owner and contractor, Paramore Imp. Co.

MISCELLANEOUS.

Baltimore, Md.—Baldwin & Pennington have prepared plans for a hall-building, to cost about $10,000, for the Iroquois Democratic Club.

Chicago, Ill.—Chicago South Side Railroad Co., station house, 492 Thirty-ninth St.; cost, $15,000.

Charles Counselman, six-st'y elevator, Ninety-third St. and Harbor Ave.; cost, $160,000.

Louisville, Ky.—Permit has been granted the Grand United Order of Odd Fellows for a three-st'y hall building; cost, abt. $15,000.

New York, N. Y.—*Fourth Ave.*, s e cor. Twenty-third St., seven-st'y granite, limestone, brick and terra-cotta fireproof building; cost, $200,000; owner, Society for the Prevention of Cruelty to Children; architects, Renwick, Aspinwall & Renwick.

Seventy-fifth and Seventy-sixth Sts., 473′ e Avenue A, six-st'y brick building; cost, $160,000; owner, Farmers' Feed Co.; architect, Frank Wennemer.

Philadelphia, Pa.—*Fairhill St.*, above Cumberland St., 2 one-st'y woollen mills; owners, Schofield & Watson.

Richmond, Va.—Plans have been accepted for the Jackson Memorial Building at the Virginia Institute, to cost about $40,000.

PROPOSALS.

April 4, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M. on the 26th day of April, 1892, for all the labor and materials required to complete the cut-stone work and brick work of the superstructure of the United States Custom-house and Post-office building at Newark, N. J., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Newark, N. J. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids or to waive any defect or informality in any bid. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Cut-Stone-Work and Brick-Work of the Superstructure of the United States Custom-house and Post-office building at Newark, N. J.," and addressed to W. J. EDBROOKE, Supervising Architect. 851

April 2, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 28th day of April, 1892, and opened immediately thereafter, for all the labor and materials required to put in place complete the iron beams and girders in basement and first floor, basement columns, etc., for the United States Court-house, Custom-house and Post-office building at Omaha, Neb., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Omaha, Neb. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposals for the Iron Beams and Girders in Basement and First Floor, Basement Columns, etc., for the United States Court-house, Custom-house and Post-office building at Omaha, Neb.," and addressed to W. J. EDBROOKE, Supervising Architect. 851

April 1, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 27th day of April, 1892, and opened immediately thereafter, for all the labor and materials required to furnish and erect complete two hydraulic passenger elevators, one hydraulic mail lift, one hydraulic freight lift and one hydraulic ash lift, including pumps, tanks, cars, platforms, piping, etc., for the United States Court-house and Post-office building at Louisville, Ky., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the superintendent at Louisville, Ky. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid; all proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for two Hydraulic Passenger Elevators, one Hydraulic Mail Lift, one Hydraulic Freight Lift and one Hydraulic Ash Lift, etc., for the United States Court-house and Post-office building at Louisville, Ky.," and addressed to W. J. EDBROOKE, Supervising Architect. 851

Office of the Light-house Engineer, Third District, Tompkinsville, N. Y., March 28, 1892. Sealed proposals will be received at this office until 12 o'clock M., Monday, the 25th day of April, 1892, for furnishing miscellaneous articles for the Light-house establishment. The articles needed consist of twenty numbered lots, embracing, respectively, charcoal and Cumberland coal; building material; engineers' supplies, hardware, tools, etc.; iron and steel; belting; graphite paints, etc.; lumber; boiler covering; plate-glass; galvanized and Russia sheet-iron, tin, solder, sheet-zinc and iron wire; sheet brass and copper; composition, brass and nickel castings; bells; acids; iron castings; sheet-iron smoke-stacks for boilers; electroplating supplies; shooks for oil-supply boxes and miscellaneous articles, all of which are enumerated in the specifications attached to the form of bid, which may be obtained on application to this office. Samples may be seen or information obtained at this office concerning any article not sufficiently described in the specifications. Bids will be received for one or more numbered lots complete. Envelopes containing proposals should be endorsed "Proposals for Miscellaneous Articles." The right is reserved to reject any or all bids, to strike out any item or items in the specification and to waive any defects. Bidders are invited to be present at the opening of proposals. D. P. HEAP, Major of Engineers, U. S. A., Engineer Third Light-house District. 850

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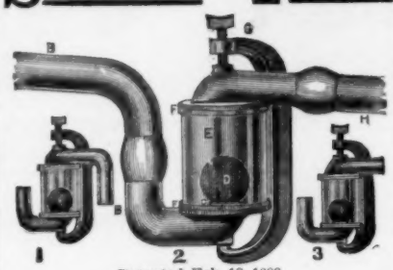

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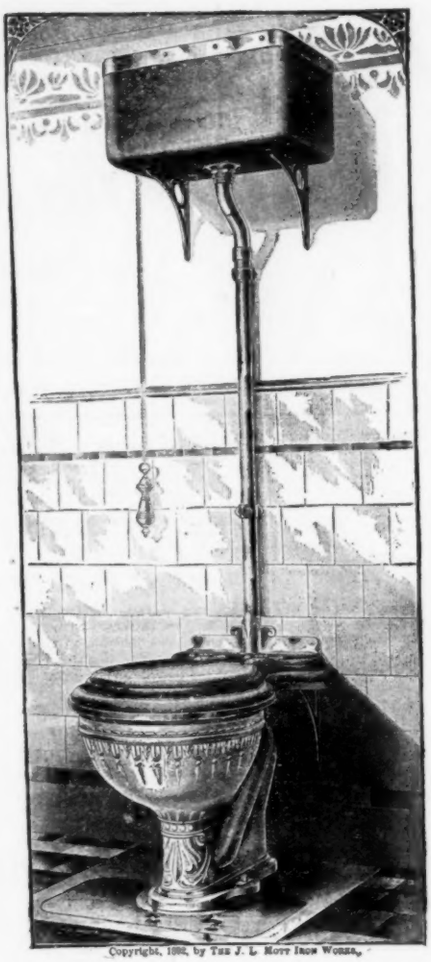

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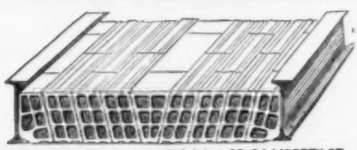
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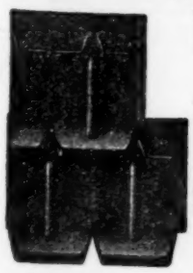
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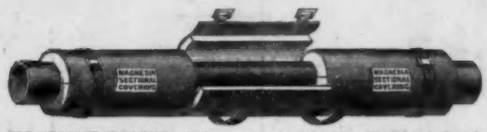

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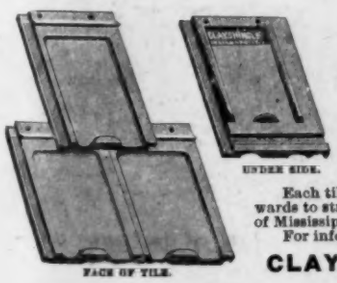

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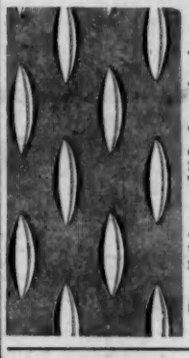

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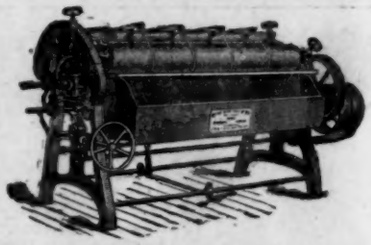

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On Thursday, March 10th, 1892, a test of the leading Traps of the country was made before a Committee of the Board of Health of the City of Rochester, N. Y., for the purpose of ascertaining their merits as anti-siphonic fixtures. A number of makers of Traps had each claimed that his trap alone would retain its seal under conditions which would destroy the seal of other traps, and to decide this point, was the object of the test. The Traps tested were the S-Trap with the McClellan Vent, the Delehanty, the Sanitas, the Puro, the Bower, and the Bennor traps. The first three traps were represented by their manufacturers. The last three were not so represented, but were tested under precisely the same conditions. On March 11th, the daily papers of Rochester contained an account of this test, showing that the Sanitas Trap was the only one which was able to withstand the severe conditions of the test. The Committee made its report to the Board of Health March 21, and the following is an extract from their report:—

> TO THE BOARD OF HEALTH:—Your Committee begs leave to present to the Board, the following report on the result of the test in relation to Trap Siphonage: The Traps selected for the test were the BENNOR, the BOWER, the PURO, the common S-TRAP with McClellan Vent, the DELEHANTY and the SANITAS Trap. These Traps were all easily siphoned with the single exception of the *SANITAS*, which alone successfully resisted Siphonage. In view, therefore, of the results of the experiments, your Committee respectfully recommends that Section 26 of the Rules and Regulations of the Board of Health, of the City of Rochester, relating to Drainage and Plumbing, be revised to read as follows: "All Traps shall be protected from Loss of Seal, through evaporation, siphonage or air-pressure. . . . The SANITAS Traps may be used without venting. In case other Traps are used in connection with the fixtures above enumerated in this Section, they shall be connected with Vent pipes, in the manner hereinafter prescribed, in these Regulations."

The above report and the revised rules were adopted by the Board of Health. The SANITAS is the only Trap allowed by the City of Rochester, without venting. As Architects in other cities are interested in saving their clients the needless expense, and the dangerous complications of back venting, we invite their co-operation in getting the Anti-Siphon Traps allowed in their respective cities, without venting.

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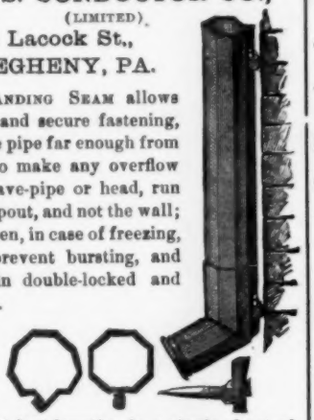

Made in 6-foot lengths, in a single sheet of SOFT STEEL, either Galvanized, Kalameined or Leaded.

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[*Philadelphia Times*, Feb. 29, 1892.]

SPANISH TILES IN COPPER.

Why Metal is Better than Clay for Roofing Purposes.

In a recent article public attention was called to the subject of clay tiles for roofing purposes. The statements made in that article having called forth some comment, a reporter was sent to examine a patent owned by MERCHANT & Co., 517 Arch Street, when opportunity was afforded him to view the new Spanish tiles, made of copper and tin, and manufactured by that firm under their patent.

These tiles are claimed to have superior merits over the clay tiles for the reason that they are much lighter in weight, and when made of copper are practically indestructible, as a copper roof is known to be the most durable roof in the market. The copper itself when removed from the roof has a commercial value which is possessed by no other roofing material when taken off.

The great objection to the clay tiles is their excessive weight as well as liability to breakage, and it is stated that is costs about one-third less to construct the supporting framework for the metal tiles than for those made of clay, which, of course, is an important item in itself.

Then again the vertical side lock of the metal tiles renders them absolutely storm and weatherproof, and the device is so simple that there is an immense saving in the time taken to lay them.

Ample provision is made also in the construction of these tiles for any possible expansion and contraction of either copper or tin.

COPPER TILES.

We can furnish "Spanish" Tiles made of either 14 oz. or 16 oz. copper. For ordinary buildings would recommend 14 oz.—which is heavy enough, but for extra heavy buildings 16 oz. copper would be advisable.

Copper tiles are very much preferable to tin, and the cost compared with Terra-cotta "Spanish" Tiles, considering the extra weight, cost of freights, breakage, etc., is but little in excess, if any.

The Copper Tiles will last a life time, becoming handsomer with age. This material also has a considerable cash value when taken off the roof, which cannot be said of any other roofing material.

The construction of this tile is such that ample provision is made for the contraction and expansion of copper.

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PITTSBURGH PLATE GLASS CO.

The Largest Plates of Glass in buildings in the cities of Chicago, Cleveland, Detroit, St. Paul, Syracuse, Pittsburgh, Philadelphia, Baltimore, and many New York buildings, were manufactured by our Company.

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We make a specialty of three-sixteenths thickness for fine residences, also extra large sizes, wide and long plates for store fronts, beveled and obscured plates, skylight and floor glass.

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	New York.	Boston.	Chicago.	Philadelphia.
	(*Wholesale Prices.*)		(*Prices to Builders and Contractors.*)	
LUMBER.—₱ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	on 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40
Cedar split ₱ M.	@	@	*Not sold.*	{24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	{20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P.10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual. Kiln-dried.*)				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood (Mexican)	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 46 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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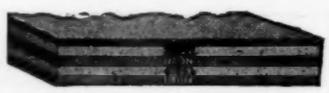

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BRICK.—₱ M.	New York. (Wholesale Prices.)	Boston.	Chicago. (Prices to Builders and Contractors.)	Philadelphia.
Common: *Cargo afloat.*				In Yard.
Pale	2 00 @ 2 50	Eastern	Building Brick	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25	9 00 @ 10 00	@ 6 50	" @ 7 00
Long Island	@ 6 00	Bay State Hard		Salmon @ 5 00
Up River	5 25 @ 5 50	7 00 @ 8 00		Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Com.	Indiana Pressed	Light Stretchers
" 1st	6 00 @ 6 25	9 50 @ 10 00	14 00 @ 20 00	@ 10 00
Hollow	@ 13 00	Domestic Face	St. Louis Fronts	Medium "
Fronts:		20 00 @ 22 00	@ 27 00	@ 12 00
Croton, Brown	@ 13 00	Philadelphia		Red "
" dark	@ 14 00	40 00 @ 45 00		@ 13 00
" red	@ 14 00	Phila. mould		Dark "
Chicago pressed (Anderson)		50 00 @ 80 00	15 00 @ 27 00	@ 13 00
" Moulded			65 00 @ 350 00	Pressed
Baltimore	37 00 @ 41 00	Anderson	@ 55 00	18 00 @ 20 00
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	45 00 @ 50 00	Best Paving
Trenton	22 00 @ 23 00		45 00 @	@ 14 00
Milwaukee			25 00 @	Second "
Moulded:			60 00 @ 100 00	@ 13 00
Glens Falls Red Pressed	@ 37 00		30 @	Third "
" " Buff	@ 30 00		35 @	@ 12 00
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @115 00		@ 120 00	@ 82
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk		St. John 1 00	55 @	White Mash
Wisconsin Lime			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 00
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 45

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	New York.	Boston.	Chicago.	Philadelphia.
Foundation:	*Wholesale Prices.)*	*(Prices to Builders and Contractors,*		
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.)*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th.10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	}
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	}
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	}
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	1 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	325 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am ...℔ M	@	@	*Not Sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	40 @ 41	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	43 @ 44	60 @ 63	@ 63
Turpentine. (℔ gal.)	36 @ 37	@ 41	51 @ 51	@ 44
Varnish, coach. (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac. (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	½ @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
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Shingle	@ 3 35	@ 2 10	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
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Plain	@ 1 50	@ 1 75	*Not Sold.*	@ 90
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Ball Tip, Boston Finish ...(℔ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	48 @ 50
Bronze metal	@ 10	@ 10	@ 12	@ 1 25
Brass (for cupboards.)	@	@	@	@ 1 00
Ebony	@	@	@	@ 35
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Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6½
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe				
Iron:				
I-Beams, up to and including 36 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
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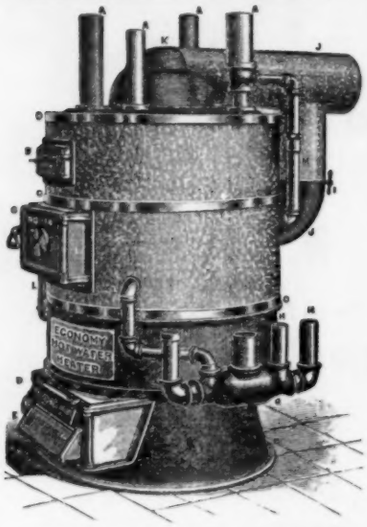

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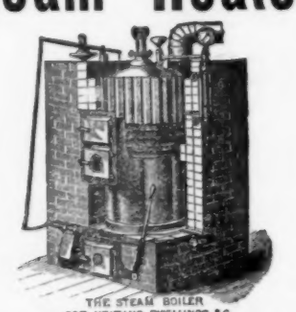

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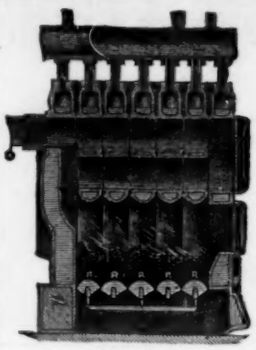

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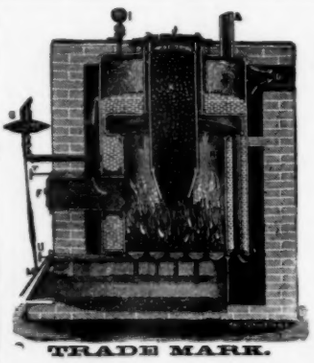

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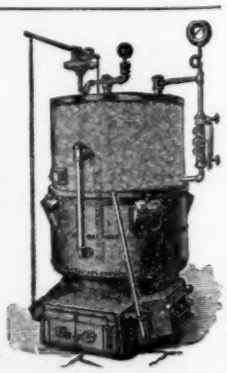

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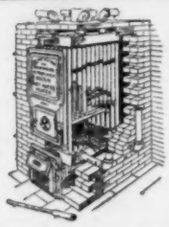

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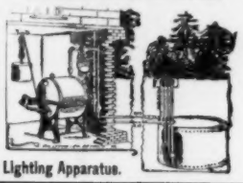

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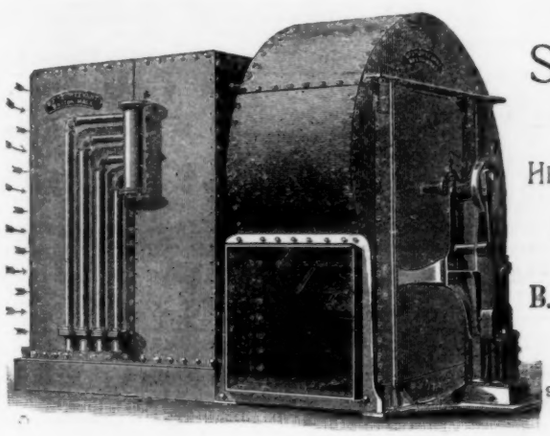

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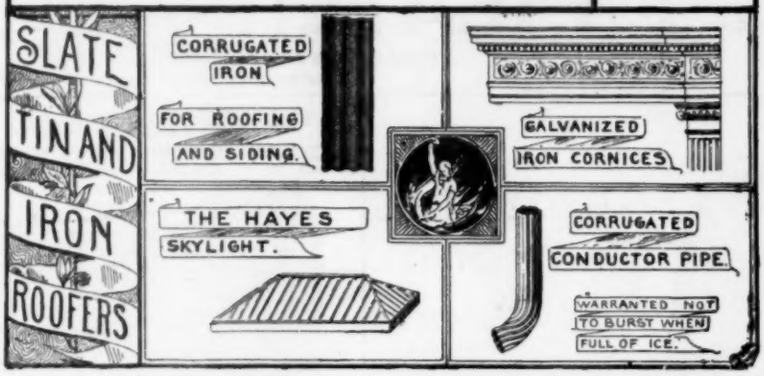

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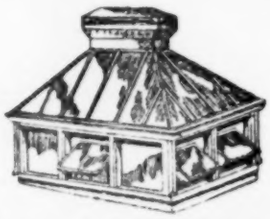

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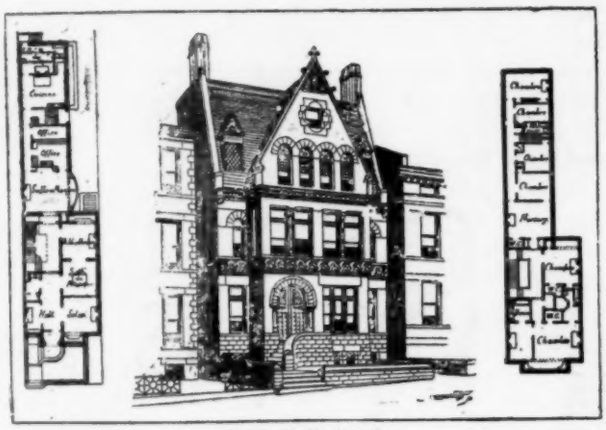

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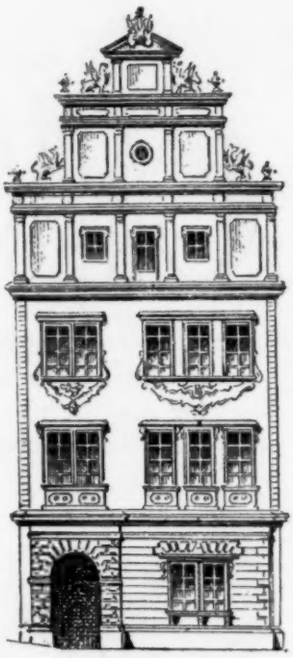

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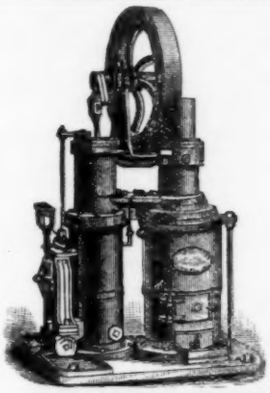

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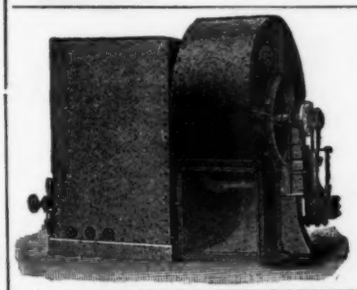

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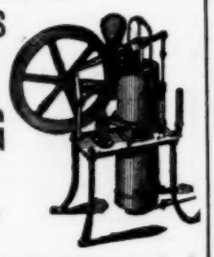

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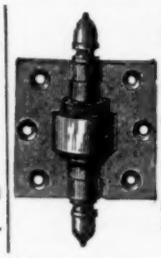

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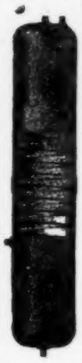

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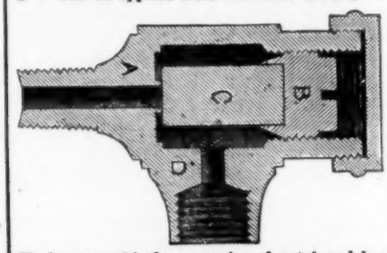

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POSITION.—Detail draughtsman, nine years' experience, would like position in Western office; best New York City references. Address "H. D.," 102 East Twenty-eighth Street, New York City. 852

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POSITION.—Designer and architect, having been abroad and formerly head man for five years in first-class New York furniture house, desires position where his abilities in decoration, furniture, building work and superintending will find an opportunity. Address "R.," care of *American Architect*. 854

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471,110. Hot-Air Furnace.—John Evans, Philadelphia, Pa.

471,118. Sash-Fastener.—Martin Higgins, Niles, Ohio.

471,128. Shutter-Worker.—Victor Kraske and Thorwald Naerup, Jr., Chicago, Ill.

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471,351. Heating Apparatus for Buildings.—Quimby N. Evans, Brooklyn, N. Y.

471,356. Horticultural Building.—Henry W. Gibbons, Jersey City, N. J.

471,363. Fastener for the Meeting Rails of Sashes.—George B. Sloan, Jr., Oswego, N. Y.

471,873. Frame Tower.—Lewis W. Beard and Walter C. Westaway, Decorah, Iowa.

471,388. Chimney-Cowl.—Thomas Keys, Chicago, Ill.

471,391. Carpenter's Plane.—Oliver Longval, Worcester, Mass.

471,418. Latrine and Automatic Flushing Apparatus.—William Clark, Sydney, New South Wales.

471,421. Combined Section-Liner and Protractor.—Lewis Miller, Oil City, Pa.

471,450. Sheet-Metal Tile.—James White, Brooklyn, N. Y.

471,497. Elevator.—William C. Baird, Brooklyn, N. Y.

471,523. Temperature-Regulator.—James F. McElroy, Albany, N. Y.

471,537. Flushing-Tank.—Hugh E. Craigie, Stamford, Conn.

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Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING APRIL 1, 1892.

From Antwerp.—Steamer "*Lepanto*," 33 casks bricks, Knauth, Nachod & Kuhne. Steamer "*Westernland*," 3 blocks marble, Taber & Co.; 35 do., Merchants Dispatch Co.; 1,560 barrels cement, order. Steamer "*Pennsylvania*," 1,260 barrels cement, Gabriel & Schall; 1,417 do., 1,500 casks do., order.

From Bermuda.—Brig "*Ellie Carter*," 73 pieces cedar, 133 do. mahogany, Seaboard Lumber Co.

From Bremen.—Ship "*Auguste*," 8,100 cakes asphaltum, Gabriel & Schall. Steamer "*Corona*," 2,018 cakes asphaltum, Chas. W. Saacke; 1,120 barrels cement, order.

From Bristol.—Steamer "*Wells City*," 295 cases bricks, the American Trading Co.

From Genoa.—Steamer "*Werra*," 2 packages marble, Geo. Borgfeldt & Co.; 2 cases do., V. A. Fucigna. Steamer "*Plata*," 32 blocks marble, G. Amsinck & Co.; 8 do., 19 cases do., order.

From Glasgow.—Steamer "*Furnessia*," 36 cases granite, Henderson Bros. Steamer "*Pomeranian*," 311 cases granite, Austin, Baldwin & Co.; 1 do., 33 blocks stone, order.

From Hamburg.—Steamer "*Suevia*," 1,000 barrels cement, order. Ship "*Helene*," 2,250 barrels cement, order. Steamer "*Moravia*," 560 casks cement, Gabriel & Schall; 800 barrels Portland cement, order. Steamer "*Eggelstone Abbey*," 840 casks cement, E. Thiele; 3,024 do., Baetjer & Meyerstein; 2,016 do., order.

From La Brea, Trinidad.—Bark "*Serrano*," 925 tons crude asphalt, order.

From Leghorn.—Steamer "*India*," 197 slabs marble, Canadian Bank of Commerce; 25 blocks do., G. Amsinck & Co.; 1 do., Taber & Co.; 66 do., order. Bark "*Cavilea*," 63 blocks marble, 358 slabs do., Pells & Co.; 510 do., order.

From Liverpool.—Steamer "*City of Chicago*," 4 hardwood logs, order. Steamer "*Aurania*," 265 casks bricks, Howard Fleming. Steamer "*Tauric*," 19 blocks stone, order. Steamer "*The Queen*," 138 barrels bricks, order.

From London.—Steamer "*Europe*," 1 log mahogany; F. C. Salomon. Steamer "*Richmond Hill*," 13 packages lumber, H. Herrman; 25 logs wood, J. T. Williams; 1,000 casks cement, Bank of British North America; 500 do., H. P. Finlay & Co.; 100 logs wood, order. Steamer "*Michigan*," 500 casks cement, Hammill & Gillespie; 1,600 do., order.

From Marseilles.—Bark "*Vergine della Guardia*," 200 tons asphalt, E. H. Wootton.

From Newcastle.—Steamer "*Kolpino*," 1,120 casks cement, Sanderson & Son; 12 casks glazed bricks, Chas. R. Weeks & Bro.; 50,000 square bricks, Hammill & Gillespie; 600 casks cement, 2 blocks stone, order.

From Oporto.—Bark "*Olga*," 23 blocks marble, Bowring & Archibald.

From Rotterdam.—Stermer "*Zaandam*," 1,000 casks cement, E. Thiele. Steamer "*Obdam*," 1,000 casks cement, E. Thiele.

From Santa Cruz.—Bark "*Annie Berner*," 1,829 logs cedar, order.

From St. Jago.—Steamer "*Cienfuegos*," 29 logs mahogany, Willard Hawes & Co.

From St. John, N. B.—Ship "*Chautauquan*," 1,248 barrels lime, Scammell Bros.

(*Continued on page xv.*)

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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Brooklyn, N. Y. — *Hudson Ave., No.* 248, three-st'y brick office-building, gravel roof, one-st'y brick extension, slate roof, and internal and other alterations; cost, $7,000; owner, Gabe Isaacs, 244 Hudson Ave.; architect, J. G. Glover, 186 Remsen St.

Laurence St., No. 108, four-st'y brick shop, tar and gravel roof, two-st'y brick extension, tin roof; cost, $4,000; owner and architect, Frederick Widmann, 108 Lawrence St.

Greene Ave., No. 543, two-st'y frame dwell., shingle roof, raised one story, three-st'y brick extension, tin roof, added and internal alterations made; cost, $3,500; owner, Edward Quintor, 545 Greene Ave.

Broadway, n e cor. Lawton St., 2 three-st'y frame stores, dwells. and gymnasium, tin roof, three-st'y brick extensions, tin roofs, and internal and other alterations; cost, $3,500; owner, Joseph Ryan, 1061 Broadway; architect, Th. Engelhardt, 905 Broadway.

Marcy Ave., Nos. 639-641, 2 two-st'y frame stables, gravel roofs, internal and other alterations; total cost, $7,000; owner, Frederick C. Hockemeyer, 59 Pulaski St.; architect, Edward Van Voorhis, 903 Kent Ave.; builders, Robert E. Payne & Co., 340 Willoughby Ave.

Chicago, Ill. — S. H. Harrington, two-st'y addition to factory, 334-338 South Union St.; cost, $5,000.

R. W. McCready, four-st'y addition to factory, 47 Illinois St.; cost, $10,000.

C. A. Spring, two-st'y addition, 448 Dearborn Ave.; cost, $3,000.

APARTMENT-HOUSES.

Chicago, Ill. — August Rohn, three-st'y flats, 894 Seymour St.; cost, $7,500.

W. T. Clark, 2 three-st'y flats, 4117-4119 Lake Ave.; cost, $16,000.

Philip Reed, two-st'y flats, Seventieth St. and Oglesby Ave.; cost, $4,000.

Martin Brady, two-st'y flats, 3312 Emerald Ave.; cost, $3,300.

H. Walter, three-st'y flats, 231 South California Ave.; cost, $6,000.

Ida Sprout, three-st'y flats, 6006 Yale St.; cost, $5,000.

Mrs. Abbie Burham, two-st'y flats, 310 Flournoy St.; cost, $3,000.

Mat Ortman, three-st'y flats, 26 O'Brien St.; cost, $6,500.

R. Enber, three-st'y flats, 546 Fullerton Ave.; cost, $9,000.

John Huhlman, two-st'y flats, 811 West Erie St.; cost, $3,300.

Jacob Blitsh, three-st'y flats, 1456 Newport Ave.; cost, $5,000.

J. D. Wort & Co., three-st'y flats, 4811 Langley Ave.; cost, $6,000.

Joseph Schimich, three-st'y flats, 661 Ashland Ave.; cost, $4,000.

Peter Nelson, three-st'y flats, 500 West Ohio St.; cost, $4,500.

C. Capretz, two-st'y flats, 1117 Sixty-third St.; cost, $3,000.

R. H. Stewart, three-st'y flats, 575 Cleveland Ave.; cost, $7,000.

Fred Burns, three-st'y flats, 955 West Division St.; cost, $4,000.

Iver Sundfer, three-st'y flats, 662 Maplewood Ave.; cost, $5,000.

F. Von Welsenfluh, three-st'y flats, 430 Forty-first St.; cost, $8,500.

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Charles Boldenow, two-st'y flats, 1216 Fifty-first St.; cost, $4,000.

J. W. Welsh, three-st'y flats, 495 Bowen Ave.; cost, $6,000.

P. J. Lavin, three-st'y flats, 5481 Monroe Ave.; cost, $6,000.

John Johnson, two-st'y flats, 4037 Addison Ave.; cost, $3,000.

C. Bendts, two-st'y flats, 75 Churchill St.; cost, $3,500.

Fred Schoenster, three-st'y flats, 513 North Ashland Ave.; cost, $9,000.

Joseph Malek, two-st'y flats, 1060 Van Horn St.; cost, $4,000.

CHURCHES.

Chicago, Ill. — St. Bartholomew's Church, 6720-6728 Stewart Ave.; cost, $30,000.

FACTORIES.

Chicago, Ill. — Western Electric Co., two st'y factory, s w cor. Clinton and Congress Sts.; cost, $20,000.

HOTELS.

New York, N. Y. — *One Hundred and Twenty-sixth St., Nos.* 156-158, three-st'y brick hotel, tin roof; cost, $30,000; owner, Frederick Hollender, 217 East Fourth St.; architect, Hugo Kofka, 137 Broadway.

HOUSES.

Baltimore, Md. — W. T. King, 28 two-st'y brick, building, n s Turner Pl., w Hampton Ave.

Herman Myers, 2 two-st'y brick buildings, e s Temple St., bet. Baltimore and Fayette Sts.

Jas. Mechlinske, three-st'y brick building, w s Bond St., bet. Alice Ann and Lancaster Sts.

M. A. C. Brady, 12 three-st'y brick buildings, w s Madison Ave., bet. Presstman and Bloom Sts.

Boston, Mass. — *Humboldt Ave.*, near Walnut Ave., Ward 21, three-st'y frame dwell., pitch roof, 23.6′ x 66′; owners, C. F. Kittredge *et als.*, trustees; builder, J. F. Smith.

Dorchester Ave., No. 1880, Ward 24, three-st'y frame dwell., flat roof, 18.4′ x 41.3′; owner, Emma Boyd; builder, L. V. Berry.

Lombard St., near Bushnell St., Ward 24, frame dwell., 27′ x 38′; owner, Abigail Woodward; builder, H. M. Wallis.

Saco St., near Neponset Ave., Ward 24, frame dwell., 28′ x 37′; owner, J. A. Schallenback; builders, Morrill Bros.

Algonquin St., near Washington St., Ward 24, frame dwell., 30′ x 39′; owner, G. H. Hunneman; builder, G. D. Hill.

Brent St., near Washington St., Ward 24, frame dwell., 23.10′ x 44.8′; owner, Bernard F. Supple; builder, M. J. Fish.

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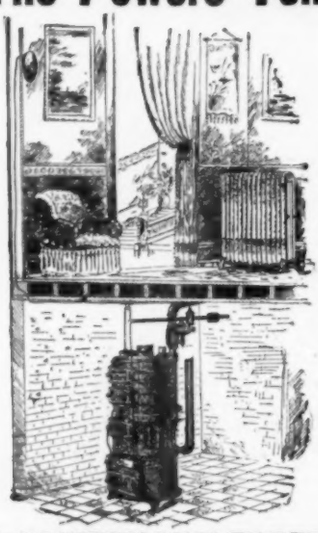
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BUILDING INTELLIGENCE.

Norwood St., near Tolman St., Ward 24, frame dwell., 24.6′ x 34.6′; owner, John O'Brien; builder, W. J. Hatch.

Ashmont St., near Ocean St., Ward 24, two frame dwells., 25.6′ x 36′; owner, C. N. Mellen; builder, E. N. Burt.

Ashmont St., near Adams St., Ward 24, two frame dwells., 29′ x 38′; owners, F. P. Jacques and W. E. A. Legg; builder, H. M. Wallis.

Paris St., No. 192, Ward 1, three-st'y frame dwell., flat roof, 24′ x 40′; owner, Patrick O'Connor; builders, J. McInnis & Co.

Menlo St., near Sparhawk St., Ward 25, frame dwell., 34′ x 45.6′; owner, A. A. Sweet; builders, C. H. & A. F. Ireland.

Milton Ave., near Maxwell St., Ward 24, frame dwell., 33.6′ x 35′; owner, Albert McIntosh; builder, S. G. Squire.

Holborn Park, Ward 21, five frame dwells., 24.9′ x 33′; owners, J. A. Macaulay and Wm. Swanson; builder, Wm. Swanson.

Cressey Pl., Nos. 3-7, Ward 24, five frame dwells., 26′ x 32′, 26′ x 29′, 23′ x 25′; owner, F. L. Cressey; builders, Whittaker & Gerrish.

Chapman Ave., near Lyon St., Ward 24, three frame dwells., 22′ x 40′; owner, Stillman A. Tucker; builder, B. Rockwell.

Lyndehurst St., near Allston St., Ward 24, three frame dwells., 24.6′ x 45, 24′ x 34.6′, 33′ x 35.6′; owner and builder, J. H. Beale.

Lincoln St., near Dorchester Ave., Ward 24, two frame dwells., flat roofs, 20′ x 38′; owner, Wm. Ryan.

Harvest St., Nos. 14-16, Ward 15, two frame dwells., 24′ x 54′; owners, Mary F. Connelly and Catherine L. Hanley; builder, Wm. Eadie.

Park St., near opp. Whitefield St., Ward 24, two frame dwells., 26′ x 36′ and 23′ x 32′; owner and builder, W. A. Lent.

Clarence St., No. 50A and B, Ward 20, 2 three-st'y frame dwells., flat roofs, 21′ x 54′; owner, James Kenney; builder, M. McLaughlin.

East Third St., Nos. 410-412, Ward 14, 2 three-st'y frame dwells., flat roofs, 20′ x 62′ and 20′ x 52′; owner, C. M. Collum; builder, W. T. Eaton.

STABLES.

Boston, Mass. — *School St., No.* 109, *rear*, Ward 23, one-st'y frame stable, pitch roof, 24′ x 30′; owner, James F. McIntosh; builder, M. F. Sullivan.

New York, N. Y.—*East Thirtieth St., No.* 156, three-st'y brick stable, tar and gravel roof; cost, $10,000; owner, Estate Wm. E. Fleming, 38 Wall St.; architect, James J. F. Gavigan, 835 Broadway.

Somerville, Mass. — *Summer St.*, cor. Vinal Ave., frame stable, 18′ x 28′; owner, Chas. Taylor; builder, Chas. Kilby; architects, Loring & Phipps, Boston.

Quincy St., No. 39, frame stable; owner, Charlotte E. Dodge.

Linden Ave., No. 15, frame stable, 20′ x 28′; owner, Chas. E. McCarthy; builder, Walter Grant.

Worcester, Mass. — *Summer St.*, one-and-one-half-st'y frame stable; owner and contractor, W. M. Stone.

STORES.

Cincinnati, O. — Ambrose Barnes, three-and-one-half-st'y brick and stone stores and flats, junc. Gilbert and Woodlawn Aves; cost, $7,000; architect, George Clark.

J. D. Hart, four-st'y brick and stone store and dwell., Hamilton Ave.; cost, $9,000; architects, Gans Bros.

J. H. Wolff, two-and-one-half-st'y brick and stone store and dwell., 865 Central Ave.; cost, $3,500; architect, M. Fisher.

WAREHOUSES.

Cincinnati, O. — Robert H. Gibson, five-st'y brick and stone warehouse, Pleasant Court; cost, $5,500; architect, S. S. Godley.

MISCELLANEOUS.

Baltimore, Md.—The city authorities propose building an engine house on Second St. and one on Fort Ave.

COMPETITION.

MONUMENT TO ROBERT BURNS.
[At Chicago, Ill.]
CHICAGO, ILL., April 8, 1892.

The Burns Memorial and Monument Association of Chicago invite designs for a monument to Robert Burns, to be erected in one of the public parks. Cost of entire monument not to exceed $12,000.

The committee suggests a figure of heroic size, the monument to have space suitable for panels (to be added subsequently). A premium of $200 to be awarded to the party whose design is accepted, and $100 to the party with design next of merit. Designs to be sent in not later than June 1, 1892, to Wm. Gardner, Chairman of Committee on Design, at 145 East Kinzie St., Chicago, Ill. 855

PROPOSALS.

April 12, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 12th day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the cut-stone work and brick work, iron and wood floor, ceiling and roof construction, roof covering, terra-cotta work, etc., for the superstructure of the United States Post-office building at Lowell, Mass., in accordance with drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Lowell, Mass. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Cut-stone Work and Brick Work, Iron and Wood Floor, Ceiling and Roof Construction, Roof Covering, Terra-cotta Work, etc., for the Superstructure of the United States Post-office Building at Lowell, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect. 852

(Continued on page xx.)

The following tests were made at the laboratory of Rutger's College Scientific School, for Dr. Smock, who was then New York State Economic Geologist, by Dr. Francis A. Wilber, Professor of Analytical Chemistry :

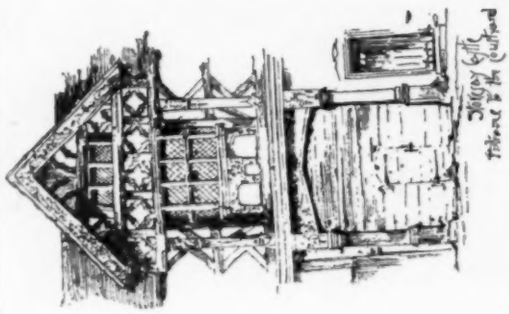
A large number of stones were under investigation at the same time.

Subjected to the severest freezing and thawing tests, Potsdam sandstone was absolutely unchanged.

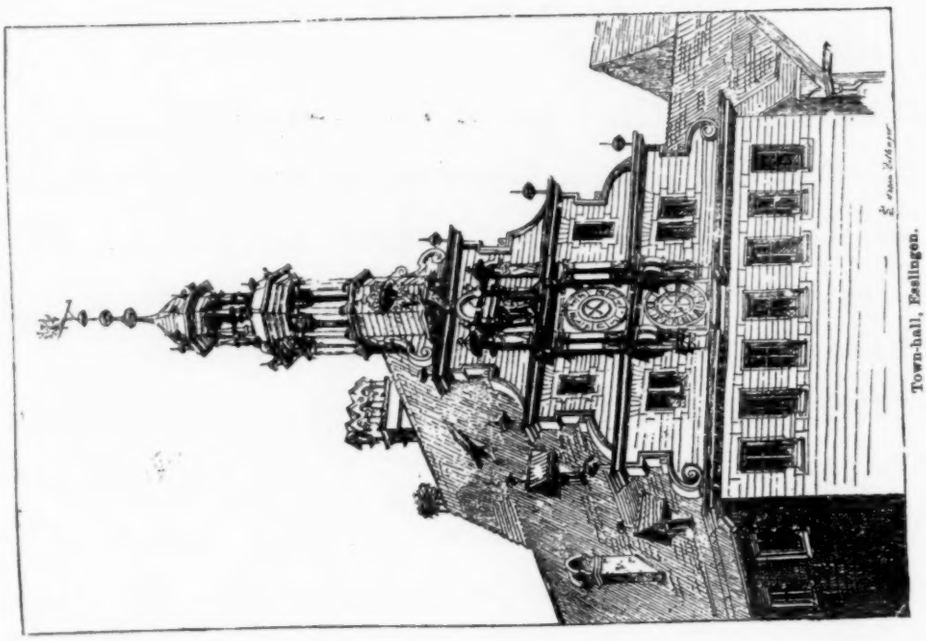
Submitted to the continued action of dilute sulphuric acid, Potsdam sandstone lost less in weight than any other stone, viz. two one-hundredths of one per cent, some stones losing over three hundred times as much (over six per cent). This result is of the utmost importance in view of the amount of this acid constantly present in the air of our cities, and perhaps promoting the decay of building stones used in them, as much as any other one cause.

The percentage of loss or gain in weight when immersed in sulphurous acid gas, was in the case of Potsdam sandstone six one thousandths of one per cent only, many other stones being affected to an amount from ten to seventy times greater.

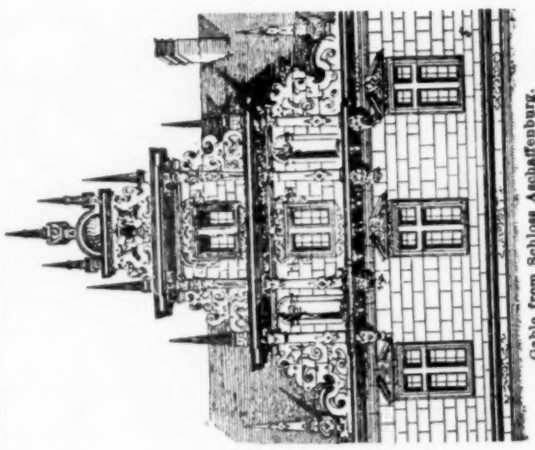
The Potsdam Red Sandstone Co., Potsdam, N. Y. will send samples and full information to Architects on application.



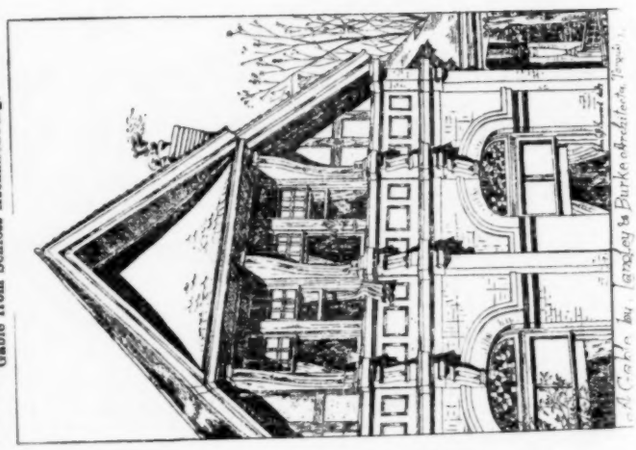
Gable at Heilbronn.



Town-hall, Esslingen.



Gable from Schloss Aschaffenburg.



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It is ten years ago this month since the "RARITAN" Company was organized—and we are proud of our record. We began with a large plant, but it soon proved too small. We enlarged it at once and have continued to add to it until now it is five times its original size, and will soon be much larger, we think.

Each year has been more successful than the former ones, and to-day "RARITAN" Hollow Brick and Porous Terra-Cotta are built into more than six hundred buildings.

And how has this measure of success been reached? By strict attention to business, best materials and low prices.

"RARITAN" materials are all made of Fire Clay, and are everywhere a standard of quality.

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45 sold in '88
2,288 sold in '89
6,268 sold in '90
20,049 sold in '91
60,000 will be sold in '92

A Steel Windmill and Steel Tower every 3 minutes. ☞ These figures tell the story of the ever-growing, ever-going, everlasting Steel Aermotor. Where one goes others follow, and we "take the country."

Though sold, we were unable to make all of the 20,049 Aermotors in '91. Orders often waited 6 weeks to be filled, but now we have vastly increased our plant and are prepared promptly to plant our increase in every habitable portion of the globe.

Are you curious to know how the Aermotor Co. in the 4th year of its existence, came to make many times as many windmills as all other makers combined? How we came to originate the Steel Wheel, the Steel Fixed Tower, the Steel Tilting Tower?

1st. We commenced in a field in which there had been no *improvement for 25 years*, and in which there seemed no talent or ambition, and none has yet been shown except in *feeble* imitation of our inventions.

2d. Before commencing the manufacture, exhaustive scientific investigation and experiments were made by a skilled mechanical engineer, in which over 5,000 dynamometric tests were made on 61 different forms of wheels, propelled by artificial and therefore uniform wind, which settled definitely many questions relating to the proper speed of wheel, the best form, angle, curvature and amount of sail surface, the resistance of air to rotation, obstructions in the wheel, such as heavy wooden arms, obstructions before the wheel, as in the vaneless mill, and many other more abstruse, though not less important questions. These investigations proved that the power of the best wind wheels could be doubled, and the AERMOTOR daily demonstrates it has been done.

3d. To the liberal policy of the Aermotor Co., that guarantees its goods satisfactory or pays freight both ways, and to the enormous output of its factory which enables it to furnish the best article at less than the poorest is sold for. For '92 we furnish the most perfect bearings ever put in a windmill, and have made an exhaustive revision of the Aermotor and Towers.

If you want a strong, stiff, Steel Fixed Tower—or if you want the tower you don't have to climb (the Steel Tilting Tower) and the Wheel that runs when all others stand still that costs you less than wood and lasts ten times as long (The Steel Aermotor) or if you want a Geared Aermotor to churn, grind, cut feed, pump water, turn grindstone and saw wood, that does the work of 4 horses at the cost of one ($100), write for copiously illustrated printed matter, showing every conceivable phase of windmill construction and work, to the AERMOTOR CO., 12th and Rockwell Sts., Chicago, or 12 Main St., San Francisco.

GALVANIZED. It is not enough to make portions of a windmill galvanized, as most manufacturers do. The Steel Aermotor and Steel Tower are now galvanized after being completed, thus absolutely protected from rust and decay.

The Aermotor Pneumatic Water Supply System enables you to supply every part of your house with water without an Elevated Tank.

PROPOSALS.

April 7, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 29th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the approaches to the United States Custom-house and Post-office building at Eastport, Maine, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Eastport, Maine. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches to the United States Custom-house and Post-Office building at Eastport, Maine," and addressed to W. J. EDBROOKE, Supervising Architect. 852

April 11, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 22d day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the plaster models of the ornamental stone-work for the United States Court-house, Post-office etc., building at Detroit, Mich., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Detroit, Mich. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid that may result to the interest of the Government. All bids received after the time herein stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Plaster Models of the Ornamental Stone-work for the United States Court-house, Post-office, etc., building at Detroit, Mich.," and addressed to W. J. EDBROOKE, Supervising Architect. 852

April 4, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M. on the 26th day of April, 1892, for all the labor and materials required to complete the cut-stone work and brick work of the superstructure of the United States Custom-house and Post-office building at Newark, N. J., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Newark, N. J. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids or to waive any defect or informality in any bid. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Cut-Stone-Work and Brick-Work of the Superstructure of the United States Custom-house and Post-office building at Newark, N. J.," and addressed to W. J. EDBROOKE, Supervising Architect. 851

April 2, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 28th day of April, 1892, and opened immediately thereafter, for all the labor and materials required to put in place complete the iron beams and girders in basement and first floor, basement columns, etc., for the United States Court-house, Custom-house and Post-office building at Omaha, Neb., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Omaha, Neb. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposals for the Iron Beams and Girders in Basement and First Floor, Basement Columns, etc., for the United States Court-house, Custom-house and Post-office building at Omaha, Neb.," and addressed to W. J. EDBROOKE, Supervising Architect. 851

April 1, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 27th day of April, 1892, and opened immediately thereafter, for all the labor and materials required to furnish and erect complete two hydraulic passenger elevators, one hydraulic mail lift, one hydraulic freight lift and one hydraulic ash lift, including pumps, tanks, cars, platforms, piping, etc., for the United States Court-house and Post-office building at Louisville, Ky., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the superintendent at Louisville, Ky. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid; all proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for two Hydraulic Passenger Elevators, one Hydraulic Mail Lift, one Hydraulic Freight Lift and one Hydraulic Ash Lift, etc., for the United States Court-house and Post-office building at Louisville, Ky.," and addressed to W. J. EDBROOKE, Supervising Architect. 851

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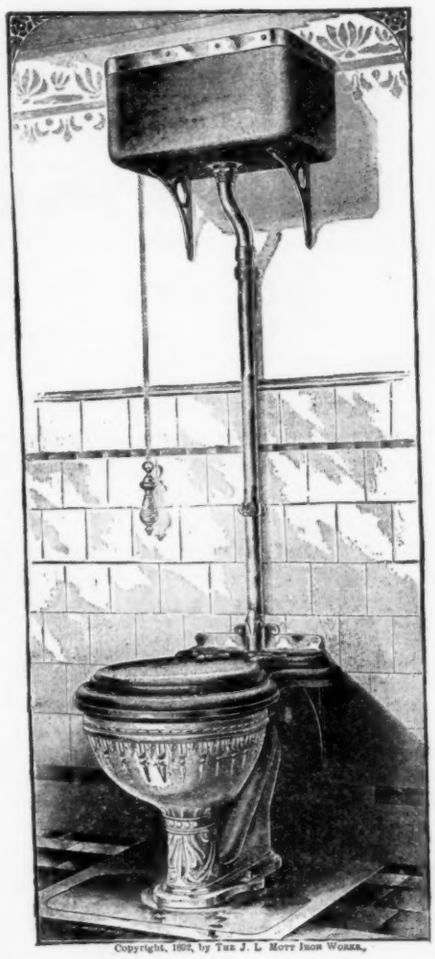

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Patent Direct-Action Siphon-Jet Water-Closet,

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The Primo is a first-class imported Siphon-Jet Water-Closet, warranted not to craze or discolor. The Bowl contains a large body of water, and there are no mechanical parts liable to get out of order. When the pull is drawn down the Siphon is started, and contents of Bowl are quickly and almost noiselessly ejected. A feature of the Primo is the great depth of water seal in the Bowl, which affords an effectual barrier against sewer gas.

Illustrated Price-list mailed on application.

[*See Alphabetical Index on page VII for Pagination.*]

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[Advertisers can be indexed only under a single head free of charge.]

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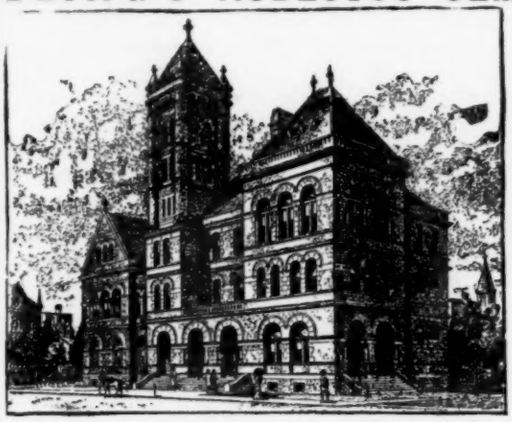

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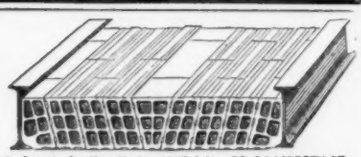
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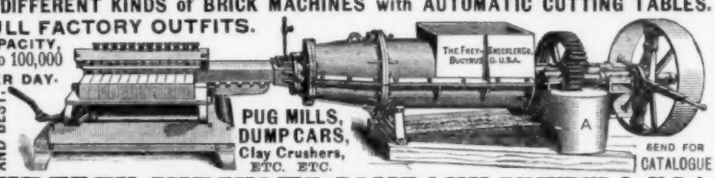

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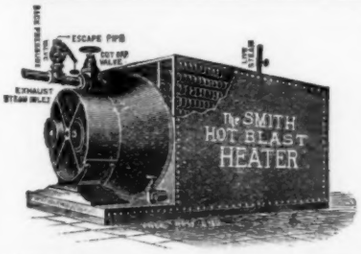

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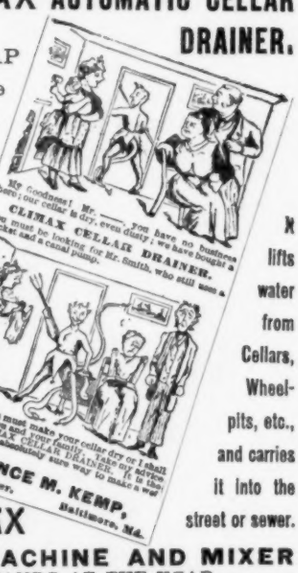

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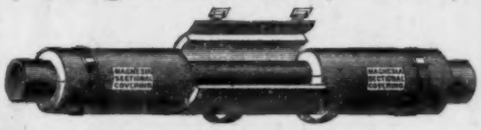

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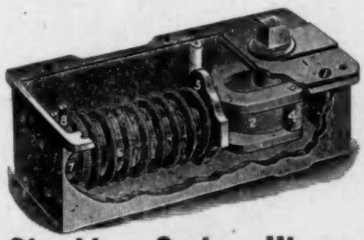

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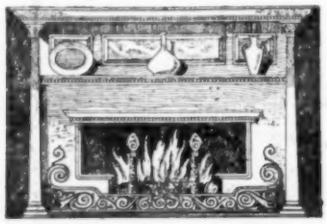

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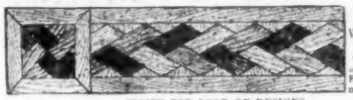

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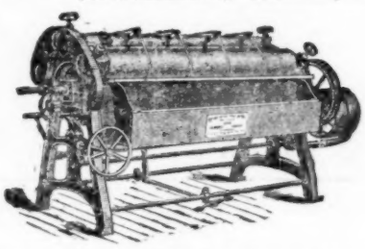

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VOL. XXXVI. * REGULAR EDITION * NO. 852.

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On Thursday, March 10th, 1892, a test of the leading Traps of the country was made before a Committee of the Board of Health of the City of Rochester, N. Y., for the purpose of ascertaining their merits as anti-siphonic fixtures. A number of makers of Traps had each claimed that his trap alone would retain its seal under conditions which would destroy the seal of other traps, and to decide this point, was the object of the test. The Traps tested were the S-Trap with the McClellan Vent, the Delehanty, the Sanitas, the Puro, the Bower, and the Bennor traps. The first three traps were represented by their manufacturers. The last three were not so represented, but were tested under precisely the same conditions. On March 11th, the daily papers of Rochester contained an account of this test, showing that the Sanitas Trap was the only one which was able to withstand the severe conditions of the test. The Committee made its report to the Board of Health March 21, and the following is an extract from their report:—

> To the Board of Health:—Your Committee begs leave to present to the Board, the following report on the result of the test in relation to Trap Siphonage: The Traps selected for the test were the Bennor, the Bower, the Puro, the common S-Trap with McClellan Vent, the Delehanty and the Sanitas Trap. These Traps were all easily siphoned with the single exception of the *SANITAS*, which alone successfully resisted Siphonage. In view, therefore, of the results of the experiments, your Committee respectfully recommends that Section 26 of the Rules and Regulations of the Board of Health, of the City of Rochester, relating to Drainage and Plumbing, be revised to read as follows: "All Traps shall be protected from Loss of Seal, through evaporation, siphonage or air-pressure. . . . The Sanitas Traps may be used without venting. In case other Traps are used in connection with the fixtures above enumerated in this Section, they shall be connected with Vent pipes, in the manner hereinafter prescribed, in these Regulations."

The above report and the revised rules were adopted by the Board of Health. The Sanitas is the only Trap allowed by the City of Rochester, without venting. As Architects in other cities are interested in saving their clients the needless expense, and the dangerous complications of back venting, we invite their co-operation in getting the Anti-Siphon Traps allowed in their respective cities, without venting.

One Architect in Chicago saved his client two thousand dollars in one building, by using the Sanitas Traps unvented. It is also for the interest of the plumber to do away with back venting, which does not show, but takes money which would otherwise be used in high grade exposed fixtures, which would be a credit to the plumber, the architect, and owner, alike.

We shall be glad to correspond with Architects, Plumbers and Sanitarians regarding these matters, and to give them a list of prominent buildings in different cities in the country, using the Sanitas Traps without venting and secure their co-operation in getting the repeal of improper plumbing restrictions.

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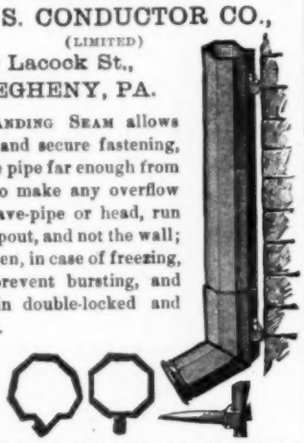

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Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40 / 24" 8 @ 21}
Cedar split ₱ M.	@	@	*Not sold.*	{30" 35 @ 14 / 24" 8 @ 21}
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P.10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods; ₱ M. (*First Qual.*				
Ash (*Kiln-dried.*)	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	37 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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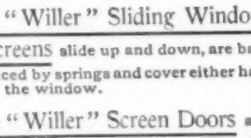

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Common: *Cargo afloat.*				In Yard.
Pale	2 00 @ 2 50	Eastern	Building Brick	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25	9 00 @ 10 00	@ 6 50	" @ 7 00
Long Island	@ 6 00	Bay State Hard		Salmon @ 5 00
Up River	5 25 @ 5 50	7 00 @ 8 00		Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Com.	Indiana Pressed	Light Stretchers @ 10 00
" 1st	6 00 @ 6 25	9 50 @ 10 00	14 00 @ 20 00	Medium " @ 12 00
Hollow	@ 13 00	Domestic Face	St. Louis Fronts	Red " @ 13 00
Fronts:		20 00 @ 22 00	@ 27 00	Dark " @ 13 00
Croton, Brown	@ 13 00	Philadelphia		Pressed 18 00 @ 20 00
" dark	@ 14 00	40 00 @ 45 00		Best Paving @ 14 00
" red	@ 14 00	Phila. mould		Second " @ 13 00
Chicago pressed (Anderson)		50 00 @ 80 00	15 00 @ 27 00	Third " @ 12 00
" Moulded			65 00 @ 350 00	
Baltimore	37 00 @ 41 00	Anderson	@ 55 00	
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	45 00 @ 50 00	
Trenton	22 00 @ 23 00		45 00 @	Dom. @ 65
Milwaukee			25 00 @	@ 82
Moulded:			60 00 @ 100 00	
Glens Falls Red Pressed	@ 37 00		30 @	
" " Buff "	@ 30 00		35 @	
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @100 00		@ 100 00	
Enamelled (edge and end)	90 00 @115 00		@ 120 00	
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbe)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor 2 50 @ 2 75
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 75 @ 2 85
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	Josson
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	2 60 @ 2 75
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 75 @ 2 85
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 90 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush 25 @ 30
Hydraulic Lime	@ 1 45	@ 1 35		White Mash 1 25 @ 1 50
Chicago Lime in bulk		St. John 1 00	55 @	1 00 @ 1 00
Wisconsin Lime			60 @	
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush.*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 4 5

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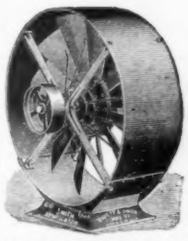
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.)*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
" black, Lehigh	@	@	7 30 @ 8 00	00 @ 4 65
" " Chapmans	@	@	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M.	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@		
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gals.)	55 @ 62	40 @ 41	57 @ 60	@ 60
" " boiled. (℔ gals.)	58 @ 65	43 @ 44	60 @ 63	@ 63
Turpentine (℔ gals.)	36 @ 37	@ 39	51 @ 51	@ 44
Varnish, coach. (℔ gals.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac (℔ gals.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting (℔ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) (℔ cwt.)	1 30 @ 2 00	2 @ 3	1½ @ 2	1¼ @ 2
Litharge, Am. (℔ cwt.)	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 5	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 10	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4″ x 4″ ...(℔ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.) @ 90
Plain	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Acorn, Japanned	@ 65	@ 50	*Not Sold.*	48 @ 50
Ball Tip, Boston Finish...(℔ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Bronze metal	@ 10	@ 10	@ 12	@ 1 00
Brass (for cupboards.)	@	@	@	@ 35
Ebony	@	@	@	37 @ 1 00
Apple wood				
Knobs: (℔ *set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not Sold.*
Lava	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Hematite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, solid	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6½
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe				
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10



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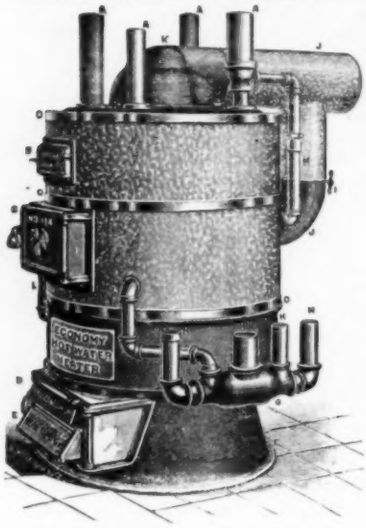

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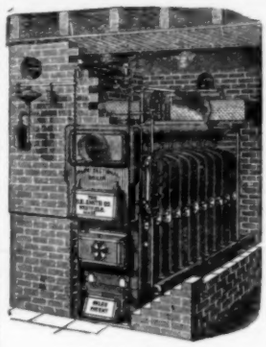

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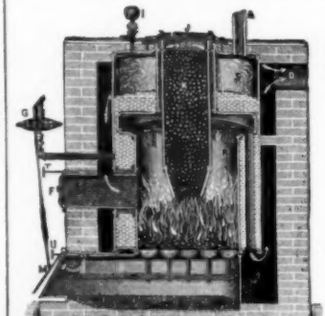

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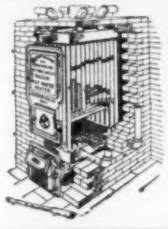

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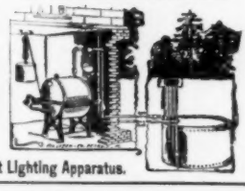

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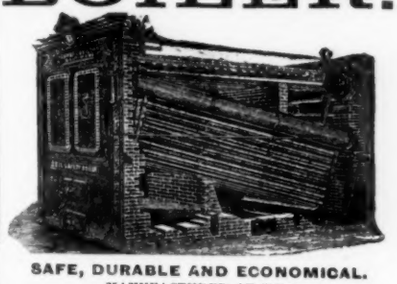

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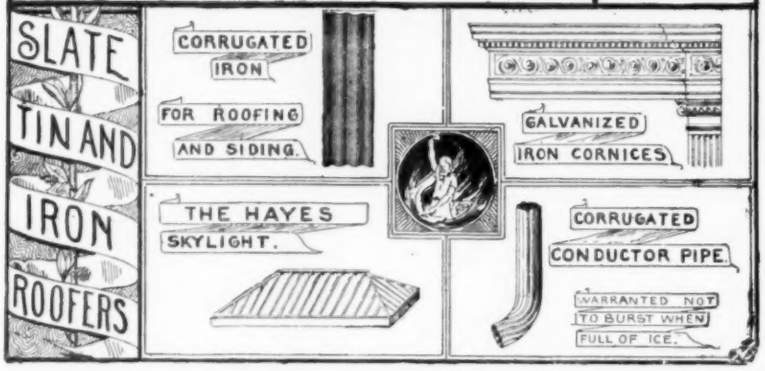

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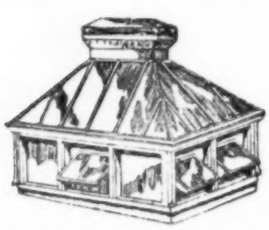

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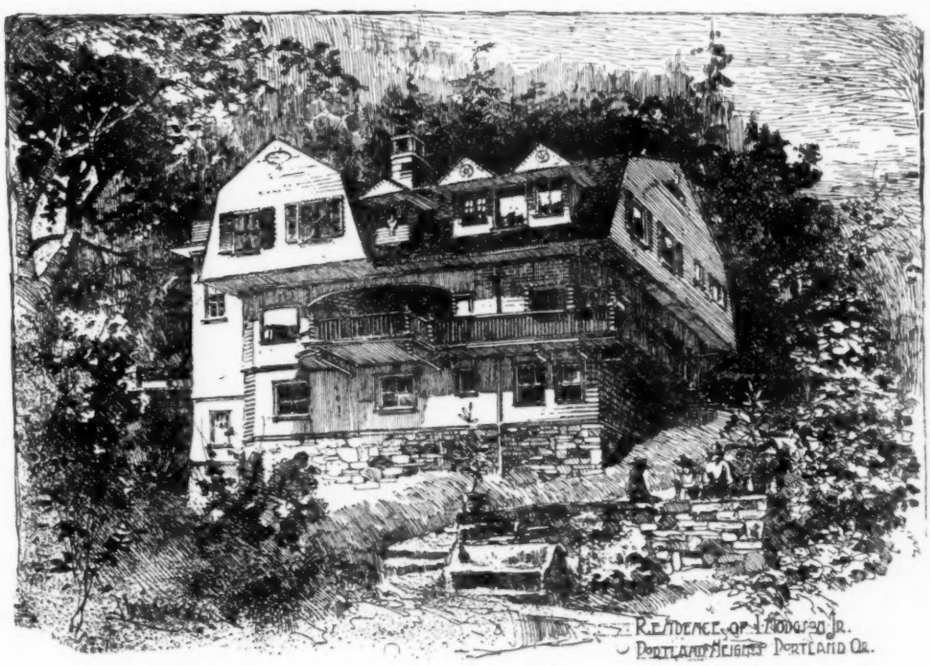

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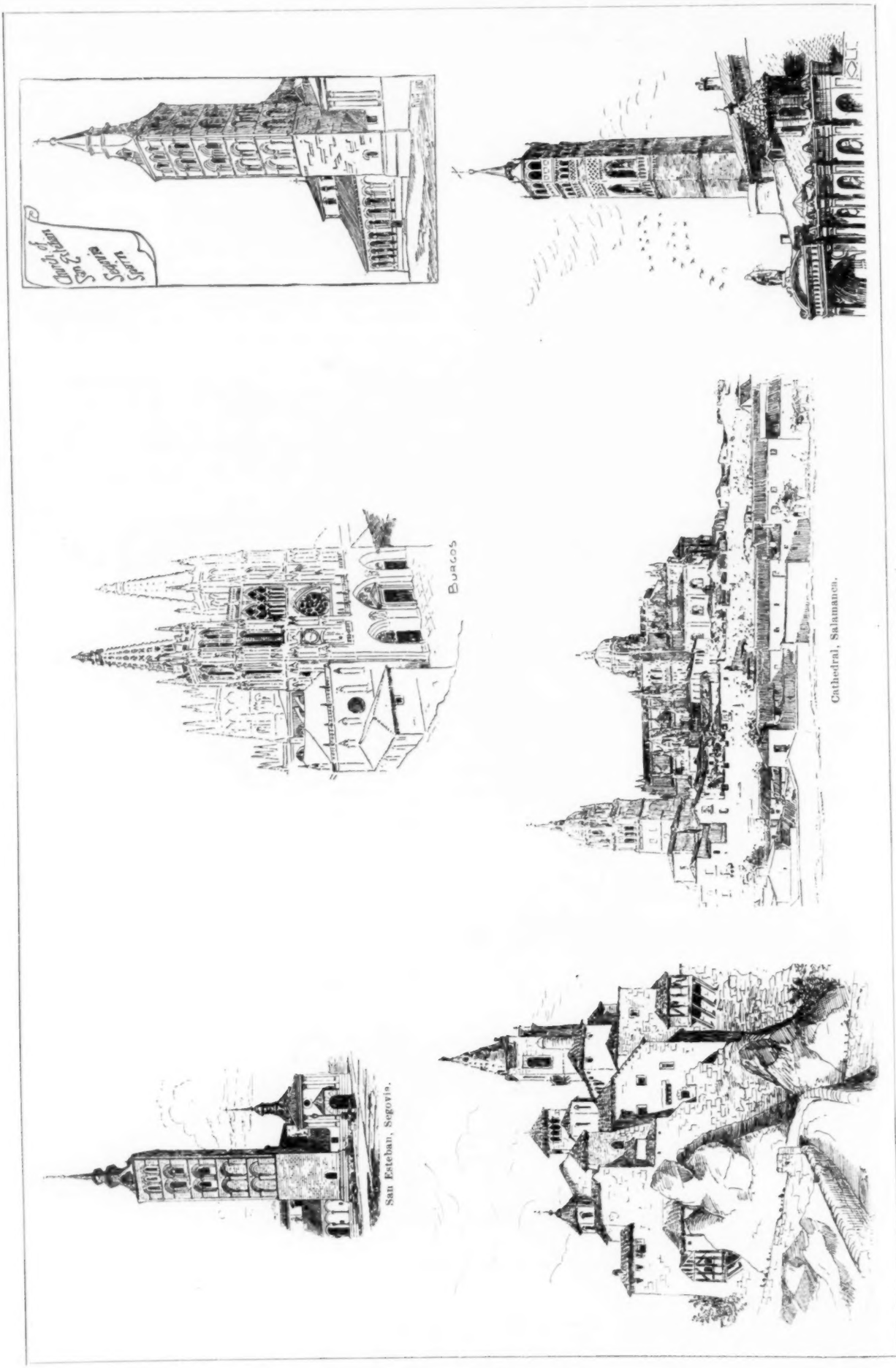

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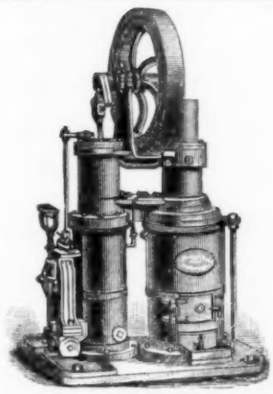

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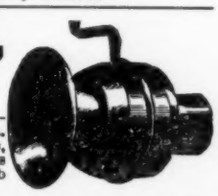

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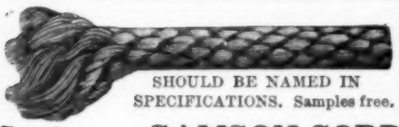

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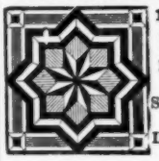

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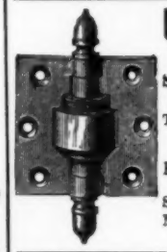

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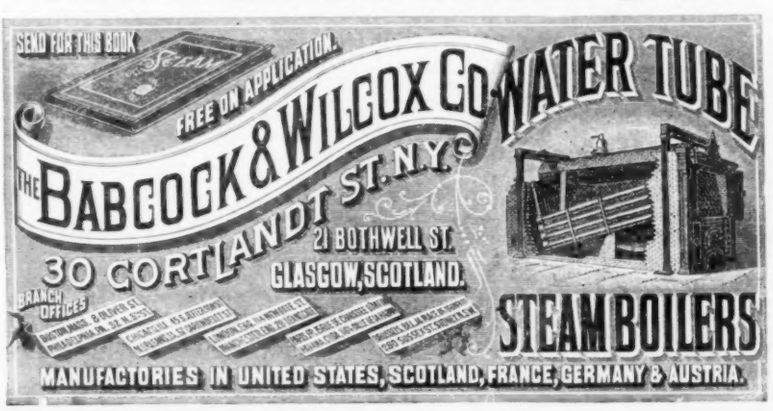

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WM. M. GOLDTHWAITE (New York, N. Y.), Magazine. Page i.

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IMPORTS OF BUILDING MATERIALS, Etc.

From Marseilles.—Steamer "*Cachemere*," 20 barrels cement, order.

From Newcastle.—Steamer "*Volturno*," 50,000 square fire bricks, Hammill & Gillespie; 500 casks cement, the E. A. Chatfield Co.; 3,360 do., Delmar & Howden; 30,000 square fire bricks, order.

From Rotterdam.—Steamer "*Maasdam*," 1,000 casks cement, E. Thiele. Steamer "*Spaarndam*," 1,000 casks cement, E. Thiele; 9 logs hardwood, order.

From Trinidad.—Steamer "*Burnley*," 900 tons asphaltum, order.

From Vera Cruz.—Steamer "*Mexico*," 74 blocks marble, S. Klaber & Co. Steamer "*Yumuri*," 158 blocks marble, E. Zarang & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Chicago, Ill.—W. H. Eberle, two-st'y addition, 282 West Twelfth St.; cost, $3,000.

S. Franklin, one-st'y addition, 447-449 South Morgan St.; cost, $6,000.

W. Thomas, four-st'y addition, 541 North Clark St.; cost, $6,300.

Charles F. Kimball, one-st'y addition, n e cor. Calumet Ave. and Twenty-sixth St.; cost, $3,000.

Minneapolis, Minn.—Minneapolis Industrial Exposition, remodeling exposition building, for Convention, Exposition Grounds; cost, $12,000.

Philadelphia, Pa.—*Chestnut St., Nos.* 612-614, two-st'y addition and exterior and interior alterations to Philadelphia *German Democrat* Building; owner, Dr. Moritz; architect, Jacob Herold, 952 North Eleventh St.

Chestnut St., n w cor. Fourth St., addition to the Provident Life and Trust Building; architects, Furness, Evans & Co., 209 South Third St.

Twelfth St., bet. Melon and Wallace Sts., two-st'y addition and alterations to the Church of the Disciples of Christ: architect and contractor, Lewis M. Hallowell, 906 Walnut St.

Bryn Mawr Ave., w s, s City Line, addition to dwell.; architect, Louis C. Hickman, Penn Mutual Building.

(*Continued on page* xv.)

FACTS ABOUT

HARD OIL FINISH.

ITS VALUE TO THE ARCHITECT.

A well-built house, complete and perfect in every detail, reflects credit first upon the Architect—the artisan shining with a sort of borrowed lustre only. And in like manner, it is not so much the workman who executes, as the Architect who plans and specifies, that gets the blame for any short-comings or imperfections. The cracking of varnish on the woodwork reflects indirectly upon the Architect just as surely as the cracking of a wall; altho' possibly in a lesser degree.

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BUILDING INTELLIGENCE.

Canal St., w s, s Beaver St., six-st'y addition to factory; contractor, George Kessler, 1543 Perth St.

APARTMENT-HOUSES.

New York, N. Y. — *Fourth Ave.*, s e cor. Ninety-eighth St., five-st'y brick flat, tin roof; cost, $16,000; owner, Francis Blessing, 65 East One Hundred and Tenth St.; architects, Thom & Wilson, 1267 Broadway.

Norfolk St., Nos. 184-188, 3 six-st'y brick flats, tin roofs; cost, $68,000; owner, Fenella Burrell, 100 Pirrepont St., Brooklyn; architect, Franklin Baylies, 51-52 Bible House.

Courtlandt Ave., e s, 50' n One Hundred and Fifty-first St., five-st'y brick flat, tin roof; cost, $15,000; owner, Mary Wirsing, 277 East Third St.; architect, Anthony F. A. Schmitt, 606 Courtland Ave.

Eighty-eighth St., n s, 150' e First Ave., 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Joseph Schreimer, 110 West One Hundred and Twenty-first St.; architect, John Hauser, 1241 Third Ave.

Eighty-fourth St., n s, 300' w Central Park, West, 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, William Rankin, One Hundred and Sixty-third St. and North River; architect, James W. Cole, 403 West Fifty-first St.

Eighth Ave., w s, 24' 9" n One Hundred and Fifty-fourth St., 2 five-st'y brick flats, tin roofs; cost, $20,000; owner, Esther E. Barron, 264 West Fifty-third St.; architect, G. F. Pelham, 1481 Broadway.

Twenty-fifth St., s s, 170' e Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $60,000; owner, Wm. H. Ramsay, 14 West Sixtieth St.; architect, M. V. B. Ferdon, 272 West Thirty-fourth St.

Allen St., No. 6, five-st'y brick flat, tin roof; cost, $18,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

Allen St., No. 4, five-st'y brick flat, tin roof; cost, $18,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

Christopher St., No. 82, five-st'y brick flat, tin roof; cost, $16,000; owners, Frank and Jacob Weinheimer, 444 West Tenth St.; architect, Louis F. Heinecke, 62 Bowery.

West Forty-sixth St., No. 241, five-st'y brick flat, tin roof; cost, $18,000; owner, Miss Susan Mount, 4 West Twenty-first St.; architects, Kurtzer & Rohl, cor. Seventh St. and Third Ave.

Pitt St., No. 27, five-st'y brick flat, tin roof; cost, $19,000; owner and architect, Jobst Hoffman, 101 Seventh Ave.

Eighty-ninth St., s s, 257' w Avenue A, 2 five-st'y brick flats, tin roofs; cost, $18,000; owner, John Schreimer, 110 West One Hundred and Twenty-first St.; architect, John Hauser, 1441 Third Ave.

Eighty-fifth St., s s, 155' w Third Ave., five-st'y brick flat, tin roof; cost, $25,000; owner, Mrs. Lillie Donnelly, 538 East Eighty-fourth St.; architect, Edward Wenz, 1491 Third Ave.

Henry St., No. 69, five-st'y brick flat, tin roof; cost, $23,000; owner, James Shea, 75 Henry St.; architect, Fred Wandelt, 335 Broadway.

East Fourth St., Nos. 65-67, five-st'y brick flat, tin roof; cost, $18,000; owner, Herman Bruns, 58 Bond St.; architects, J. Boeckell & Son, 54 Bond St.

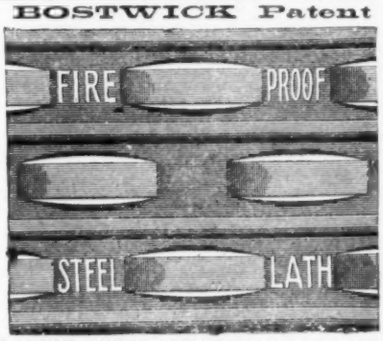
FACTORIES.

New York, N. Y.—*Seventy-fifth St.*, n w cor. Avenue B, five-st'y brick factory, tin or gravel roof; cost, $42,000; owner, John Blumer, 185 Avenue B; architects, Graul & Frohme, 215 Bowery.

West Forty-sixth St., Nos. 527-529, three-st'y brick factory; cost, $6,000; owner, Marie Oby, 948 Broadway; architect, Geo. P. Chappell, 24 State St.

Seventy-seventh St., No. 419, two-st'y brick factory, tin roof; cost, $7,000; owner, Charles E. Flemming, 70 West Forty-ninth St.; architect, Charles Stegmeyer, 306 East Eighty-second St.

BOSTWICK Patent



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BUILDING INTELLIGENCE.

St. Louis, Mo.—Two-st'y brick factory; cost, $8,000; owner and contractor, St. Louis Screw Co.

HOUSES.

Boston, Mass. — *Unnamed St., Nos.* 1-13, near Gaston St., Ward 21, ten frame dwells., about 25' x 30'; owner and builder, Peter Graffam.

Blue Hill Ave., Nos. 351-355, Ward 21, two frame dwells., 26' x 38.6'; owner and builder, Peter Graffam.

Gaston St., Nos. 17, 38, Ward 21, two frame dwells., 26' x 38.6'; owner, Peter Graffam.

Barrington St., Nos. 9-11, Ward 25, two frame dwells., 18' x 45'; owner, Neil McNiel; builders, McNiel Bros.

Brook Ave., No. 107, Ward 20, three-st'y frame dwell., flat roof, 31' x 56'; owner and builder, Robert Black.

Silver St., No. 267, Ward 15, three-st'y frame dwell., flat roof, 22' x 38'; owner, J. C. Blazer; builder, S. J. Olpin.

Wentworth St., near Norfolk St., Ward 24, frame dwell., 24' x 32'; owner, Patrick Larkin; builder, W. J. Jobling.

Vinson St., near Park St., Ward 24, three frame dwells., 25' x 27.3'; owner, A. L. Jewell; builders, Gould Bros.

East Seventh St., Nos. 446-448, Ward 14, 2 three-st'y frame dwells., flat roofs, 21' x 56'; owner, Conrad Meyer.

Walter St., cor. Arundel St., Ward 23, frame dwell.; owner, W. A. McLeod; builder, Jas. Murray.

Camden, N. J.— *Federal St., No.* 316, two-st'y frame dwell.; builder, David Lummis, 314 South Fifth St.

Camden and Atlantic Railroad and Lemon St., two-st'y brick dwell.; builder, Isadore Green, 1410 Louis St., Liberty Park.

Chambersburg, Pa. — *Market St.*, double brick dwell.; owner, Samuel Rinehart; architect, Franklin Keagy.

Chester, Pa.—*Sixth and Seventh Sts.*, several dwells. will be built by E. O. Faucett.

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BUILDING INTELLIGENCE.

Chicago, Ill. — George Kuhner, three-st'y dwell., 106 Mohawk St.; cost, $4,500.
C. F. Johnson, two-st'y dwell., Dover and Wilson Sts.; cost, $4,000.
D. F. Crilley, three-st'y dwell., 3820 Michigan Ave.; cost, $25,000.
Cora Campbell, three-st'y dwell., 2008 Dearborn St.; cost, $5,000.
J. W. Sallady, two-st'y dwell., 2485 Commercial Ave.; cost, $3,500.
Mrs. H. Joffroz, two-st'y dwell., Lexington Ave. and Sixty-sixth St.; cost, $3,000.
William H. Totz, three-st'y dwell., 26 Linden Ave.; cost, $5,000.
F. Daussay, 2 three-st'y dwells., 4548-4550 Vincennes Ave.; cost, $8,000.
O. W. Goldsmith, two-st'y dwell., 7210-7212 Sangamon St.; cost, $3,000.
F. J. Murphy, four cottages, 5246-5252 Laflin St.; cost, $3,200.
Allen Gregory, cottage, Irving Park; cost, $3,000.
W. S. Mayer, six cottages, 2539-2541 and 2559-2561 Forty-fifth St.; cost, $4,200.

Cincinnati, O. — Geo. Stoll, three-and one-half-st'y brick and stone dwell., 534 Elm St.; cost, $2,800; architect, G. W. Drach.
James Dalton, 4 two-and-one-half-st'y brick and stone dwells., George St.; cost, $9,000; architect, Theo. Richter.
C. Bernhardt, two-and-one-half-sty brick and stone dwell., Vine St.; cost, $4,500; architect, J. H. Boll.
Mrs. M. Blum, two-and-one-half-st'y brick and stone dwell., Mulberry St.; cost, $3,000; architect, G. W. Drach.
Joseph Sageman, four-and-one-half-st'y brick and stone dwell. and stores, Harrison Ave. and Coleman St.; cost, $14,000; architects, G. & A. Brink.
Mrs. Catherine Dieterle, two-and-one-half-st'y brick and stone dwell., Nixon and Bishop Sts.; cost, $3,500; architect, W. W. Franklin.
J. J. Schmitz, owner and architect, 2 two-st'y frame dwells., Taylor Ave.; cost, $3,600.
Aug. Brankamp, two-st'y frame dwell., Conroy St.; cost, $2,800; architect, E. Baude.
C. W. Ignatus, two-and-one-half-st'y frame dwell., Wayne and Euclid Aves.; cost, $4,000; architect, F. F. Wane.
S. M. Cooper, 2 two-and-one-half-st'y frame dwells., Kinney Ave.; cost, $8,000; architect, J. B. Payne.
E. Rogers, double frame dwell., Eastern Ave.; cost, $2,600; architect, Wm. Matthews.
C. Witchgers, two-st'y frame dwell., Woodbridge Pl.; cost, $2,500; architect, C. Schwerman.
Xavier B. Drexelius, two-and-one-half-st'y frame dwell., Ingleside Pl.; cost, $3,000; architect, W. S. Robinson.
Dr. R. C. Heflebower, two-and-one-half-st'y frame dwell., Eden Ave.; cost, $5,500; architect, G. W. Drach.
G. B. Kerper, 2 two-and-one-half-st'y frame dwells., May St.; cost, $10,400; architect, G. W. Drach.
Patrick Burn, two-st'y frame dwell., May St.; cost, $3,500; architect, W. Lawrence.
B. L. Baldwin, two-and-one-half-st'y brick and stone dwell., Bell Pl.; cost, $8,000; architect, B. Baldwin.
G. B. Kerper, two-and-one-half-st'y brick and stone dwell., May St.; cost, $7,500; architect, G. W. Drach.
S. P. Melson, 3 two-and-one-half-st'y brick and stone dwells., Locust St.; cost, $12,600; architect, W. W. Franklin.

Coatesville, Pa. — *Main St.*, e s, six dwells. will be built by Harry Branson.

Dawson, Pa.— *Laughlin St.*, dwell. will be built for contractor C. C. Ruse, and one for Edw. Carr.

Flushing, L. I. — Dwell.; cost, $8,000; owner, Chas. H. Eglee; contract to be let; architects, Cole & Chandler, Boston.

McKeesport, Pa. — *Evans Ave.*, 20 two-st'y frame dwells., South Park; builders, Daniel and John Stratton.

Mt. Holly, N. J.—*West Water St.*, two double frame dwells. for Jackson L. Kelley.
Broad St., n Clover St., double frame dwell.; owner, Samuel Haines.

New Hope, Pa. — Operations will be commenced at once for a dwell. for Wm. McDowell.

New London, Conn. — Dwell.; cost, $6,000; owner, George Warren Cole; contract to be let; architects, Cole & Chandler, Boston.
Dwell. and stable; cost, $18,000; owner, Dr. Frederick Farnsworth; contract to be let; architects, Cole & Chandler, Boston.
Brick block; cost, $10,000; owner, J. Vincent Dart; contract to be let; architects, Cole & Chandler, Boston.
Dwell. and stable; cost, $15,000; owner, Robert R. Congdon; contract to be let; architects, Cole & Chandler, Boston.

New York, N. Y.— *Seventieth St.*, s s, 150′ w Eighth Ave., 6 four-st'y brick dwells.; cost, $150,000; owner, Mary A. Colleran, 223 West Sixty-ninth St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.
East Thirty-sixth St., No. 247, four-st'y brick dwell., tin roof; cost, $7,000; owner, Mrs. Hannah Humes, 150 East Seventy-eighth St.; architect, Charles Rentz, 153 Fourth Ave.
One Hundred and Fifty-third St., n s, 550′ w Courtland Ave., three-st'y brick and frame dwell., tin roof; cost, $5,500; owner, Herman Ruttner, 448 East One Hundred and Fifty-first St.; architect, Adolph Pfeiffer, 3068 Third Ave.
Inwood Ave., e s, 225′ s Wolf Pl., 3 three-st'y stone and frame dwell., tin roof; cost, $5,000; owners, John and Maria Eichler, Inwood Ave.; architect, O. Reipmann, 118 East Fourth St.
Fifth Ave., n e cor. Ninety-eighth St., 2 two-st'y brick dwells., tar and gravel roofs; cost, $16,000; owner, John Murray, 635 Ninth Ave.; architect, James W. Cole, 403 West Fifty-first St.
Stuyvesant Ave., n e cor. Jefferson St., 2 three-st'y brick dwells., tin roofs; cost, $20,000; owner, architect and builder, E. H. Bishop, 647 Putnam Ave.
Stuyvesant Ave., e s, 20′ n Jefferson Ave., 8 three-st'y frame dwells., tin roofs; cost, $80,000; owner, architect and builder, E. H. Bishop, 647 Putnam Ave.
Eleventh St., n s, 22′ e Fourth Ave., 4 three-st'y brick dwells., tin roofs; cost, $25,000; owner and builder, David Atkins, 339 Fifteenth St.; architect, W. M. Coots, 26 Court St.
Prospect Ave., n s, 21′ 6½″ w Ninth Ave., 4 three-st'y brick dwells., tin roofs; cost, $4,000 each; owner and builder, R. Chidwick, 461 Fourteenth St.; architect, Walter F. Dawson, 451 Seventeenth St.
Stockholm St., n s, 125′ e Hamburg Ave., four-st'y frame dwell., tin roof; cost, $5,500; owner, Jacob Zaun, 76 George St.; architect, F. J. Lessing, 91 Ralph Ave.
Suydam St., s s, 125′ w Knickerbocker Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,200 each; owner, Henry Rühl, 773 Hart St.; architect, F. J. Lessing, 91 Ralph Ave.
Blecker St., s s, 100′ w Central Ave., 2 three-st'y frame dwells., tin roofs; cost, $3,500 each; owner and architect, R. B. Müller, 37 Cornelia St.
Bergen St., s s, 225′ w Rockaway Ave., 2 two-st'y frame dwells., tin roofs; cost, $1,500 each; owner, S. E. Wenz, 2062A Bergen St.; architects and builders, H. Ramsay & Son, 2037 Bergen St.
Truxton St., s s, 24′ 9″ w Sackman St., 8 three-st'y frame dwells., gravel roofs; cost, $3,800 each; owner, John H. Till, 1694 Dean St.

Norristown, Pa. — *Connellsville St.*, dwell. will be built for John Smothers.

BUILDING INTELLIGENCE.

Norwich, Conn.— Dwell.; cost, $5,500; owner, Mrs. E. R. C. Sleight; contract to be let; architects, Cole & Chandler, Boston.

Penrhyn, Pa. — Constable Bros. have completed plans for a lay-out of grounds for a dwell.

Pensaukin, N. J.—*Finlaw Ave.*, dwell. for H. H. Harvey.

Philadelphia, Pa. — *Tenth St.*, e s, n Tioga St., 2 two-st'y brick dwells.; builder, Adam Miller, 3606 North Thirteenth St.
Harold St., n s, bet. Twenty-sixth and Twenty-seventh Sts., two-st'y brick dwell.; owner, H. Holtzapple, Huntingdon and Twenty-sixth Sts.
Fifteenth St., w s, bet. Mifflin and McKean Sts., 26 three-st'y brick and stone dwells.; owners, Doyle and Doak, 1511 Moravian St.
South Eighth St., No. 1018, three-st'y dwell.; builder, T. Donatz.
Lancaster Ave., s s, bet. Forty-ninth and Fiftieth Sts., 3 two-st'y brick dwells.; owner, J. W. De Long, 36 West Fortieth St.
Fifty-seventh St., w s, s Woodland Ave., two-st'y brick dwell.; builder, John Welsh, 7000 Woodland Ave.
Newbold St., e s, s Ruscomb St., two-st'y brick dwell.; builder, Peter Redfern, 4547 Miller St.
School Lane, s s, w Thirty-fourth St., two-st'y dwell.; builders, O'Brien Bros., Woodbine and Chew Sts.
Tacony St., n s, e Bridge St., two-st'y frame dwell.; builder, Jacob Wenzelberger, 1220 Filbert St.
Orion St., w s, w Wallace St., 2 two-st'y brick dwells.; builder, D. J. McGarrigle, 3837 Rockland Ave.
North Twenty-seventh St., No. 1618, two-st'y brick dwell.; builder, Thomas Smith, 1645 North Twenty-seventh St.
Decker St., w s, n Lyceum Ave., three-st'y brick dwell.; owner, S. H. Long, 147 Green Lane.
Springer St., s s, e Germantown Ave., 4 two-st'y dwells.; builder, Wm. Garvin, 5008 Adams St.
Kensington Ave., w s, s Boudinot St., 2 two-st'y brick dwells.; contractor, Thos. Matthews, 2234 Hancock St.
Diamond St., s s, w Thirtieth St., 6 three-st'y brick and stone dwells.; owner, W. F. Albrecht, 2341 North Twenty-ninth St.

Somerville, Mass. — *Tufts St.*, cor. Dell St., frame dwell., 22′ x 50′; owner, Chas. H. Ramsdell; builder, O. G. Osgood.

(*Continued on page* xix.)

The following tests were made at the laboratory of Rutger's College Scientific School, for Dr. Smock, who was then New York State Economic Geologist, by Dr. Francis A. Wilber, Professor of Analytical Chemistry:

A large number of stones were under investigation at the same time.

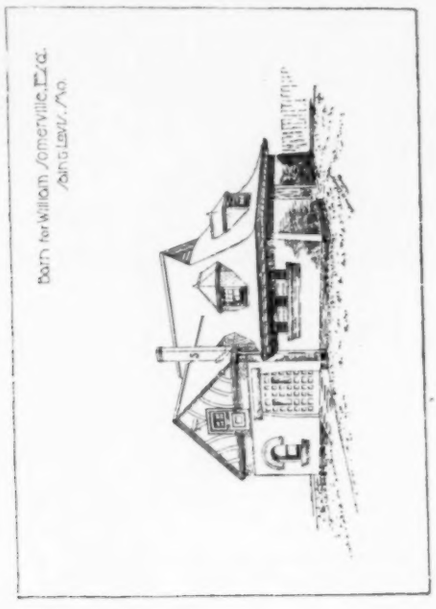
Subjected to the severest freezing and thawing tests, Potsdam sandstone was absolutely unchanged.

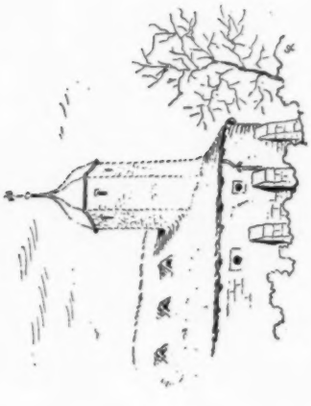
Submitted to the continued action of dilute sulphuric acid, Potsdam sandstone lost less in weight than any other stone, viz. two one-hundredths of one per cent, some stones losing over three hundred times as much (over six per cent). This result is of the utmost importance in view of the amount of this acid constantly present in the air of our cities, and perhaps promoting the decay of building stones used in them, as much as any other one cause.

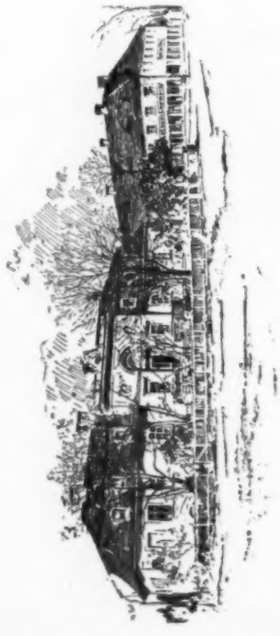
The percentage of loss or gain in weight when immersed in sulphurous acid gas, was in the case of Potsdam sandstone six one thousandths of one per cent only, many other stones being affected to an amount from ten to seventy times greater.

The Potsdam Red Sandstone Co., Potsdam, N. Y. will send samples and full information to Architects on application.

STABLES.







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October and November, 1892.

The Managers desire to call the attention of the best class of mechanics, manufacturers, inventors and students of science, to this Exhibition. Our floor space, amounting to about six acres, is now divided and ready for assignment. The exhibits are to be classified into twenty-two groups, each being under the charge of a member of the Board of Managers. Such officer is clothed with power to select such exhibits, and such only, as are the best and representive of the particular line. No circulars or blank applications will be sent out except to those believed to be of this class. Parties reading this advertisement, and wishing to know more of our regulations, can send their addresses to the Secretary, at Mechanics Building, Boston, Mass.

BUILDING INTELLIGENCE.

Caldwell Court, near Hanson and Washington Sts., three-st'y frame dwell., flat roof, 25′ x 36′; owner, Michael Kelley; builder, John McGirr.

Trull St., frame dwell., 22′ x 32′; owner and builder, Alden M. Moor.

Claremon St., near Holland St., frame dwell., 26′ x 35′; owner and builder, H. Taylor.

Elm St., rear, near Linden Ave., three-st'y frame dwell., flat roof, 40.6′ x 63′; owners, Pinanski & Berenbaum; builder, C. H. Grant.

Claremon Ave., frame dwell., 26′ x 35′; owner and builder, H. Taylor.

Somerville Ave., cor. Poplar St., block of 3 three-st'y dwells., flat roof, 57′ x 69′; owner, James Gavin; builder, Sylvester Woods

Newbury St., frame dwell., 24′ x 53.6′; owner, Mark B. Smiley; builder, Geo M. Starbird.

Bartlett St., frame dwell., 27′ x 29′; owner, Celina R. Gilmore; builders, S. & C. H. Williams.

Miner St., frame dwell., 27′ x 29′; owners and builders, S. & C. H. Williams.

Robinson St., frame dwell., 26′ x 30′; owners and builders, S. & C. H. Williams.

Sydney St., near Taylor St., six frame dwells., each 21′ x 28′; owner, Edward B. Ludlow; builder, J. M. McLellan.

Gilman Terrace, near Pearl St., frame dwell., 23′ x 28′; owners and builders, Hudson & Lewis.

Pearl St., frame dwell., 22′ x 28′; owners and builders, Hudson & Lewis.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $4,000; owner, Mrs. M. Kathman; contractor, W. J. Price.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, J. Gabel.

Two-st'y brick dwell.; cost, $6,000; owner, J. S. Rudolph; contractor, B. M. Proetz.

Two two-st'y brick dwells.; cost, $7,000; owner, G. Goessling; contractor, A. Wind.

Two-st'y brick dwell.; cost, $4,000; owner, J. Reiss; contractor, W. Paul.

Two-st'y brick dwell.; cost, $2,500; owner, J. Hodfelder; contractor, C. Frieling.

Two-st'y brick dwell.; cost, $4,600; owner, G. Sand; contractor, G. Boettinger.

Two-st'y brick dwell.; cost, $3,900; owner, T. H. Kernatz; contractor, M. Wipfler.

Two two-st'y brick dwells.; cost, $5,300; owner, Mrs Stockfelth; contractor, M. Wipfler.

Two-st'y brick dwell.; cost, $4,400; owner, Carondelet R. E. Co.; contractor, R. Neilsen.

Two-st'y brick dwell.; cost, $2,500; owner, E. Richter; contractor, C. Greim.

Two-st'y brick dwell.; cost, $2,500; owner, W. Schroeder; contractor, F. Freinlarge.

Two-st'y brick dwell.; cost, $3,400; owner J. Durbaux; contractor, A. Dietz.

Two-and-one-half-st'y brick dwell.; cost, $5,000; owner, J. J. Halpin; contractors, A. & J. Shassere.

Two-st'y brick dwell.; cost, $4,000; owner, Mrs. C. McNally; contractors, J. W. Barnes & Co.

Two-st'y brick dwell.; cost, $3,000; owner, W. P. Robertson; contractors, J. W. Barnes & Co.

Two three-st'y brick dwells.; cost, $12,000; owner, Mrs. A. L. Beading; contractors, Kelly & Lawton.

Four two-st'y brick dwells.; cost, $12,000; owner and contractor, M. B. Scanlon.

Two-st'y brick dwells.; cost, $2,600; owner, M. Higgins; contractor, M. Laine.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, M. A. Moran.

Two-st'y brick dwell.; cost, $3,500; owner, C. Schrader; contractors, W. Gahl & Co.

Two-st'y brick dwell.; cost, $4,400; owner, E Kaehler; contractor, C. F. Mueller.

Two-st'y brick dwell.; cost, $3,800; owner, C. Oouk; contractor, F. Warning.

Three-st'y brick dwell.; cost, $4,000; owner, A. E. Sauder; contractor, J. Fisher.

Two-st'y brick double dwell.; cost, $2,800; owner, C. Grimm; contractor, F. Arnold.

Two two-st'y brick dwells.; cost, $6,000; owner and contractor, D. Sutherland.

Two-st'y brick dwell.; cost, $4,800; owner and contractor, Edw. Paulus.

Two-st'y brick dwell.; cost, $4,800; owner and contractor, L. Hoffman.

Three-st'y brick dwell.; cost, $5,000; owner, J. Spruck; contractor, H. Schulte.

Two-st'y brick dwell.; cost, $3,000; owner, P. Flanigan; contractor, J. Connolly.

Two-st'y brick dwell.; cost, $3,000; owner, Miss C. Foresick; contractors, Hemminghaus & Vollmer.

Two-st'y brick dwell.; cost, $6,000; owner, H. Konert; contractors, Weiden & Son.

Two-st'y brick dwell.; cost, $6,000; owner, E. Meyer; contractor, F. Mueller.

Two-st'y brick dwell.; cost, $4,200; owner, G. R. Chesbrough; contractor, E. P. Shassere.

Two st'y brick dwell.; cost, $4,200; owner, Mrs. P. Sarazan; contractor, E. P. Shassere.

Two-st'y brick dwell.; cost, $2,900; owner, H. Koch; contractor, R. Doerste.

Two-st'y brick dwell.; cost, $4,000; owner, Mrs. Barkhoefer; contractor, H. W. Rocklager.

Two three-st'y brick dwells.; cost, $20,000; owner and contractor, J. Dwyer.

Two-st'y brick dwell.; cost, $6,000; owner, F. R. Dunn; contractor, E. B. Scutt.

Two-st'y brick dwell.; cost, $3,000; owner, Dr. Shad; contractor, F. Meake.

Three-st'y brick dwell.; cost, $4,500; owner, C. Krackman; contractors, Cochran & Son.

Two-st'y brick dwell.; cost, $5,000; owner, J. Rosebrough; contractor, A. Hagerman.

Eight two-st'y brick dwells.; cost, $2,500 each; owners, Brothers & Davies; sub-let.

Two-st'y brick dwell.; cost, $5,100; owner and contractor, W. Kennedy.

Two-st'y brick dwell.; cost, $3,000; owner, J. O'Brien; contractor, J. Clyde.

Two-st'y brick dwell.; cost, $3,500; owners, F. C. & H. Kessler; contractor, J. B. Westermayer.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, J. H. Kralsmann.

Two-st'y brick dwell.; cost, $3,600; owner, F. Meisel; contractor, E. Wind.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, J. Marquarat.

Two-st'y brick dwell. and store; cost, $7,800; owner and contractor, W. C. Uhri.

West Chester, Pa. — *South Walnut St.*, dwell. will be built for George Watson.

OFFICE-BUILDINGS.

New York, N. Y. — *Broad St., Nos. 46-52 and New St., Nos. 48-50*, fourteen-st'y office-building; owners, Dr. H. N. Heineman and J. W. Riglander.

SCHOOL-HOUSES.

Cordele, Ga. — Plans for a $25,000 building for the Shipp Female College have been prepared by L. F. Goodrich, Augusta, Ga.

New York, N. Y. — *One Hundred and Twelfth St.*, n s, 241′ w Second Ave., five-st'y brick, stone and terra-cotta school-house; owners, Capuchin Fathers; architects, Wm. Shickel & Co.

Roanoke, Va. — The city will build a $10,000 school-building from plans by Wilson & Huggins, architects.

Rorceverte, W. Va. — The city will build three-st'y brick school-building, to cost $10,000.

STABLES.

Worcester, Mass. — *Canterberry St.*, one-st'y frame stable; owner, John McCabe; contractor, J. A. McDermott.

STORES.

Brooklyn, N. Y. — *Sixth Ave.*, s w cor. Ninth St., four-st'y brick store and lodge-room building, tin roof; cost, $18,000; owner, Edward P. Day, 1280 Third Ave.; architect, Walter H. C. Horman, 150 East One Hundred and Twenty-fifth St., New York City.

Moore St., s s, 125′ e Leonard St., five-st'y brick store and dwell., tin roof; cost, $10,000; owner, J. Feldman, 16 Moore St.; architect, Hugo Smith, 27 Moore St.

Evergreen Ave., n e cor. Madison St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner and builder, Stephen J. Burrows, 236 Ainslie St.; architect, Th. Engelhardt, 905 Broadway.

Myrtle Ave., s s, 160′ e Bleeker St., 5 three-st'y frame stores and dwells., tin roofs; cost, $3,300 each; owner, Edward Thompson, 1444 Myrtle Ave.; architect, James Thompson, 22 Mulberry St., Yonkers, N. Y.

BUILDING INTELLIGENCE.

Halsey St., n w cor. Nostrand Ave., four-st'y brick store and dwell., gravel roof; cost, $20,000; owner, Wm. H. Reynolds, 273 Hancock St.; architects, Langston & Dahlander, 1239 Bedford Ave.

Fourth Ave., w s, 20′ n Carroll St., four-st'y brick store and dwell., tin roof; cost, $6,000; owners, Alfrery & Abrusa, 260 Fourth Ave.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Fulton St., n s, 39′ w Sackman St., 14 three-st'y frame stores and dwells., gravel roofs; cost, $4,000 each; owner, John H. Tice, 1694 Dean St.

Truxton St, s w cor. Sackman St., three-st'y frame store and dwell., gravel roof; cost, $6,200; owner, John H. Tice, 1694 Dean St.

Hamilton Ave., s w cor. Nelson St., four-st'y brick store and dwell., tin roof; cost, $8,000; owner, John Caulfield 256 Hamilton Ave.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Ninth Ave., n w cor. Prospect Ave., three-st'y brick store and dwell., tin roof; cost, $8,000; owner and builder, R. Chidwick, 461 Fourteenth St.; architect, Walter F. Dawson, 451 Seventeenth St.

Ralph Ave., e s, 22′ s Decatur St., 6 four-st'y brick stores and dwells., tin roofs; cost, $8,000; owner and builder, Richard D. Robbins, 554½ Monroe St.; architect, H. Vollweiler, 483 Hart St.

Ninth Ave., w s, 75′ 10″ n Prospect Ave., three-st'y brick store and dwell., tin roof; cost, $6,000; owner and builder, R. Chidwick, 461 Fourteenth St.; architect, Walter F. Dawson, 451 Seventeenth St.

Fourth Ave., n e cor. Eleventh St., four-st'y brick store and dwell., tin roof; cost, $10,000; owner and builder, David Atkins, 339 Fifteenth St.; architect, Wm. Coots, 26 Court St.

Manhattan Ave., No. 264, four-st'y frame store and dwell., felt, cement and gravel roof; cost, $6,600; owners, De Groot Bros., 112 Green Point Ave.; architect, Hubert W. Bellard, 102 Flatbush Ave.

Minneapolis, Minn. — D. Morrison, two-st'y brick store building, 422 South Third St.; cost, $12,000.

C. H. Chadbourn, three-st'y brick store and flat building, 13-15-17-19-21 Fifth St., n e; cost, $10,000.

Minnesota Loan and Trust, two-st'y brick store building, 109-111 Washington Ave., n; cost, $9,000.

New York, N. Y.—*Grand St., No. 263*, four-st'y brick and stone store; owner, Abraham Wolff; architects, De Lemos & Cordes.

Broadway, n w cor. Fifty-seventh St., 3 two-st'y brick stores, metal roof; cost, $13,000; owner, Rev. E. A. Hoffman, 1 Chelsea Square; architects, Jno. B. Snook & Son, 12 Chamber St.

St. Louis, Mo. — *Broadway*, cor. Franklin St., brick and terra-cotta store, 128′ x 185′; for the Knox Estate; architects, Shepley, Rutan & Coolidge, Boston.

Broadway, cor. Morgan St., brick and terra-cotta store, 139′ x 150′; cost of both buildings, $190,000; for Famous Shoe and Clothing Co.; architects, Shepley, Rutan & Coolidge, Boston.

One-st'y brick store; cost, $6,000; owner, F. Spengle; contract, sub-let.

Two-st'y brick store and flats; cost, $10,000; owner, Mrs. H. Murphy; contractors, Cornwall & Crawford.

TENEMENT-HOUSES.

Boston, Mass. — *Tileston St., No. 37*, Ward 6, four-st'y brick tenement, flat roof, 34.6′ x 38′; owners, S. and A. Porcella, and V. and M. C. Crova; builders, Burnham & Davis.

New York, N. Y.—*East One Hundred and Sixth St., No. 313*, five-st'y brick tenement, tin roof; cost, $20,000; owner, Catharine M. Burke, 236 East One Hundred and Twenty-sixth St.; architect, Patrick Gray, 51 Chamber St.

One Hundred and Fifty-fourth St., n s, 195′ e Morris Ave., 2 four-st'y brick tenements, tin roofs; cost, $16,000; owners, P. & N. Schaefer, 522 East One Hundred and Fifty-fourth St.; architect, A. F. A. Schmitt, 606 Courtlandt Ave.

WAREHOUSES.

Baltimore, Md.—Jno. H. Farber will build five-st'y brick warehouse, n s Pleasant St., bet. Davis and North Sts.

New York, N. Y. — *Spruce St., No. 15*, eight-st'y warehouse; owner, Wm. Zinsser; architects, De Lemos & Cordes.

MISCELLANEOUS.

Boston, Mass.—*Harrison Ave., No. 202*, Ward 12, six-st'y brick mercantile building, flat roof, 23′ x 70′; owner, H. G. Hall; builder, A. G. Drisko.

Long Island, Ward 2, three-st'y and one-st'y pitched roof frame hospitals, pitch roofs, 50′ x 55′

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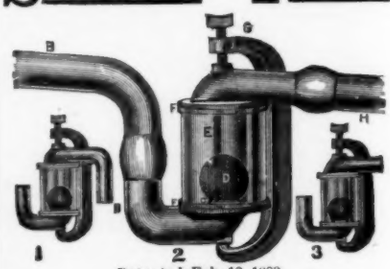

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BUILDING INTELLIGENCE.

and 20.6′ x 47′; owner, City of Boston; builders, McNeil Bros.

Border St., rear 170, Ward 2, one-st'y flat roof saw mill, flat roof, 80′ x 150′; owner, Geo. McQuesten; builder, A. R. Hooper.

Chicago, Ill. — On Exhibition Grounds; the Art Institute for World's Fair; to be built of Bedford lime stone; cost, $300,000; contractors for part of work, Jonathan Clark & Son; architects, Shepley, Rutan & Coolidge, Boston.

New York, N. Y. — *Ninth Ave.*, bet. Twentieth and Twenty-first Sts., on Union Theological Seminary Grounds; several new buildings are to be built; architect, Chas. C. Haight.

Fourth Ave., s w cor. Twenty-second St., fireproof banking building; owners, Bleecker Street Savings Bank.

Mulberry St., n w cor. Jersey St., ten st'y brick and stone building; builders, Keppler & Schwarzmann.

Horatio St., No. 33, one-st'y brick storage building, tin roof; cost, $10,000; owner, New York City, City Hall; architect, C. B. J. Snyder, 146 Grand St.

One Hundred and Forty-ninth St., s s, bet. River Ave. and Harlem River, one and two st'y brick saw-mill, gravel roof; cost, $20,000; owner, Charles L. Adams, One Hundred and Thirty-eighth St. and Mott Ave.; architect, Robert Ellis, 352 Mott Ave.

Henry St., No. 94, six-st'y brick workshop, gravel roof; cost, $12,500; owner, Catharine A. Hedges, 305 East One Hundred and Fifteenth St.; architect, Adam Munch, 307 East One Hundred and Fifteenth St.

COMPETITION.

MONUMENT TO ROBERT BURNS.

[At Chicago, Ill.]

CHICAGO, ILL., April 8, 1892.

The Burns Memorial and Monument Association of Chicago invite designs for a monument to Robert Burns, to be erected in one of the public parks. Cost of entire monument not to exceed $12,000.

The committee suggests a figure of heroic size, the monument to have space suitable for panels (to be added subsequently). A premium of $200 to be awarded to the party whose design is accepted, and $100 to the party with design next of merit. Designs to be sent in not later than June 1, 1892, to Wm. Gardner, Chairman of Committee on Design, at 145 East Kinzie St., Chicago, Ill. 855

PROPOSALS.

April 14, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M. on the 10th day of May, 1892, and opened immediately thereafter, for all the labor and materials required to put in place complete the iron columns, steel and iron floor, ceiling and roof construction, skylight roof, etc., complete for the United States Court-house, Post-office building at Detroit, Mich., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Detroit, Mich. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any and all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Iron Columns, Steel and Iron Floor, Ceiling and Roof Construction, etc., for the United States Court-house, Post-office building at Detroit, Mich.," and addressed to W. J. EDBROOKE, Supervising Architect. 853

April 13, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 13th day of May, 1892, and opened immediately thereafter, for all the materials and labor required for the decorative and other painting for the United States Court-house and Post-office building at Denver, Colo., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Denver, Colo. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Interior Decorative and other Painting for the United States Court-house and Post-office building at Denver, Colo.," and addressed to W. J. EDBROOKE, Supervising Architect. 853

April 7, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 29th day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the approaches to the United States Custom-house and Post-office building at Eastport, Maine, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Eastport, Maine. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Approaches to the United States Custom-house and Post-Office building at Eastport, Maine," and addressed to W. J. EDBROOKE, Supervising Architect. 852

April 12, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 12th day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the cut-stone work and brick work, iron and wood floor, ceiling and roof construction, roof covering, terra-cotta work, etc., for the superstructure of the United States Post-office building at Lowell, Mass., in accordance with drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Lowell, Mass. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids, or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Cut-stone Work and Brick Work, Iron and Wood Floor, Ceiling and Roof Construction, Roof Covering, Terra-cotta Work, etc., for the Superstructure of the United States Post-office Building at Lowell, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect. 852

April 11, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 22d day of April, 1892, and opened immediately thereafter, for all the labor and materials required for the plaster models of the ornamental stone-work for the United States Court-house, Post-office etc., building at Detroit, Mich., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Detroit, Mich. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid that may result to the interest of the Government. All bids received after the time herein stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Plaster Models of the Ornamental Stone-work for the United States Court-house, Post-office, etc., building at Detroit, Mich.," and addressed to W. J. EDBROOKE, Supervising Architect. 852

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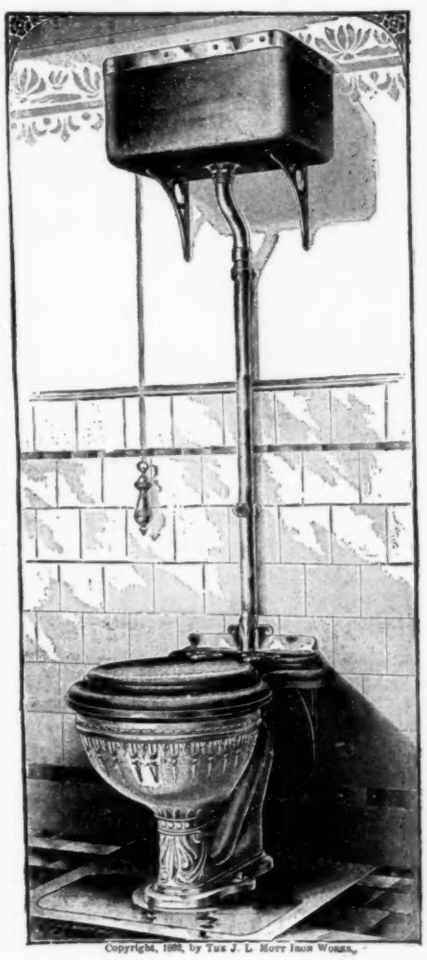

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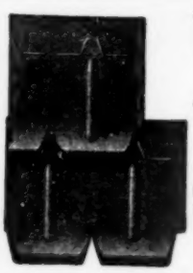

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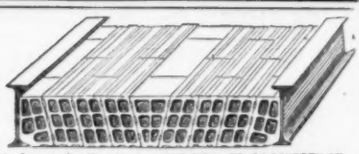
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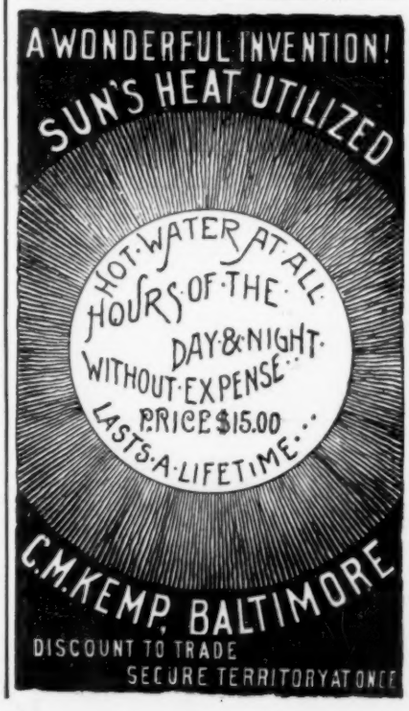

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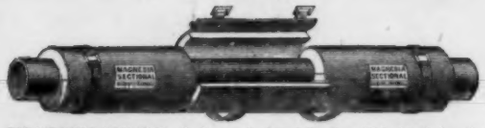

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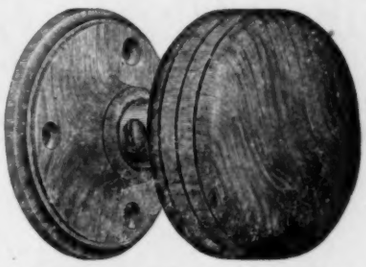

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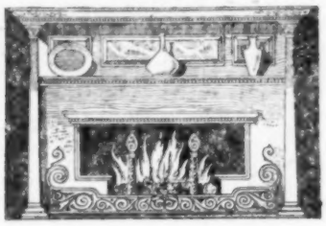

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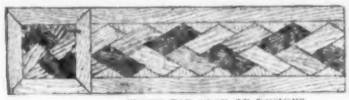

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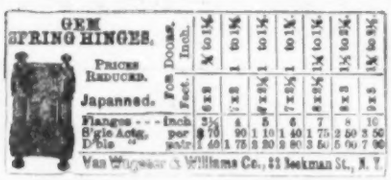

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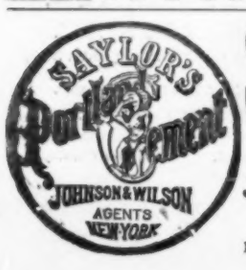

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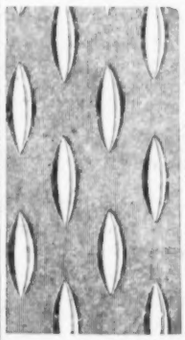

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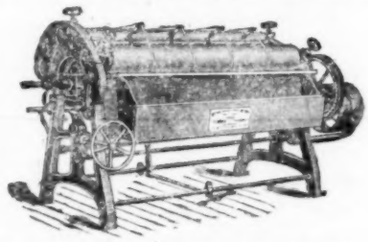

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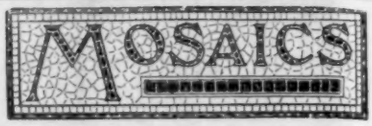

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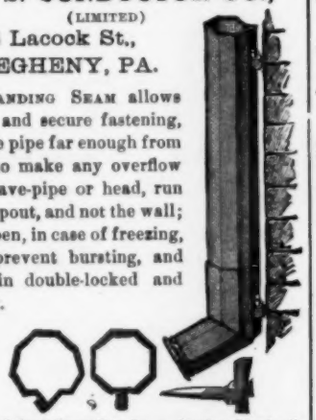

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2,288 sold in '89
6,268 sold in '90
20,049 sold in '91
60,000 will be sold in '92

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LUMBER.—℔ M.				
Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ca 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	14 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ℔ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ℔ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar split ℔ M.	@	@	*Not sold.*	24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split, 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ℔ ft.	4½ @ 5½	Piles 6c. ℔ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P.10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ℔ M. (*First Qual.*				
Ash [*Kiln-dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ℔ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ℔ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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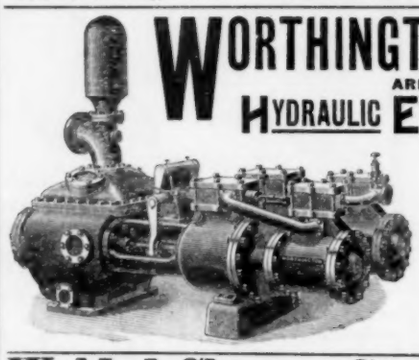
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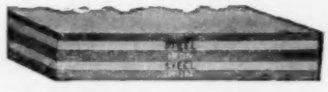
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Common: *Cargo afloat.*				
Pale	2 00 @ 2 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25			" @ 7 00
Long Island	@ 6 00	Bay State Hard 7 00 @ 8 00		Salmon @ 5 00
Up River	5 25 @ 5 50			Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 10 00
" 1st	6 00 @ 6 25			Medium " @ 12 00
Hollow	@ 13 00	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Red " @ 13 00
Fronts:				Dark " @ 13 00
Croton, Brown	@ 13 00	Philadelphia 40 00 @ 45 00		Pressed @ 13 00
" dark	@ 14 00			18 00 @ 20 00
" red	@ 14 00	Phila. mould 50 00 @ 80 00		Best Paving @ 14 00
Chicago pressed (Anderson)			15 00 @ 27 00	Second " @ 13 00
" Moulded			65 00 @ 350 00	Third " @ 12 00
Baltimore	37 00 @ 41 00	Anderson 14 00 @ 32 00	@ 55 00	
Philadelphia	23 00 @ 24 00		45 00 @ 50 00	
Trenton	22 00 @ 23 00		45 00 @	
Milwaukee			25 00 @	
Moulded:			60 00 @ 100 00	Dom. @ 65
Glens Falls Red Pressed	@ 37 00		30 @	@ 85
" " Buff	@ 30 00		35 @	
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @ 100 00		@ 100 00	
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk		St. John 1 00	55 @	White Mash
Wisconsin Lime			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 45

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Considerations that should be noticed in the use of this stone for building purposes:

Natural Beds. Owing to the perfection of its natural beds, which give the practical advantage of a sawed surface, smooth surfaces can be finished at a trifling cost for the stone cutting. This characteristic is especially noticeable in dressing random ashlar, and in all cases when the stone is laid on its quarry bed.

Set on Edge. For facing buildings or for belt-courses, when a smooth, hammered or rubbed surface is desired, this stone can be used very economically SET ON EDGE. For these purposes it is superior to brown stone or any soft stone, as it is not more expensive in the first place, and does not cleave off and require re-dressing. When so used this stone is as absolutely permanent as when laid on its quarry bed, being not injured in color, strength or durability. Moreover, the use of the stone in this way obviates all difficulty in obtaining stone of extraordinary thickness.

Random Rock-faced Ashlar. The fact that the natural beds of this stone are smooth and parallel, and the ease with which it responds to the pitching tool, are of great advantage in using random rock-faced ashlar for wall-facing, giving a most satisfactory effect, at a cost less than that of the most expensive pressed brick. No stone shows a more beautiful rock face, the light and shade effect obtained is unsurpassed. The absolute cost of Potsdam Sandstone used in this form of course depends on the closeness of the beds and joints required in the work. For ordinary work little if anything needs to be done on the beds of the stone, and it can be fitted for the mason from the form in which it comes broken out, ready to pitch, by the use of the pitching tool only.

Sawing and Rubbing. Potsdam Sandstone can be readily sawed with chilled shot, or rubbed with sand in the ordinary rubbing-bed. Treated in this way it has been used in the conventional-styled brown-stone fronts.

Cleaning. Owing to the fact that this stone does not cleave off on exposure in any location or climate, and so constantly present a new surface, as the soft stones do, its brightness and freshness may, in time, become obscured by dust and dirt. This is especially likely to happen where the stone is protected from the weather, so that rain does not reach it. Exactly the same thing occurs when a plate-glass window is left without washing for a long time. Both should be treated in the same way, and will be restored at any time to their ORIGINAL APPEARANCE by the use of SOAP AND WATER AND A SCRUBBING BRUSH, or a good stream of water from a garden-hose.

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Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ .25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am ...℔ M.	@	@	*Not Sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	40 @ 41	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	43 @ 44	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 39	51 @ 51	@ 44
Varnish, coach. (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac. (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry.	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) } dry.	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 5	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 10	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" ...(℔ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.) @ 90
Plain	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Acorn, Japanned	@ 1 50	@ 50	*Not Sold.*	48 @ 50
Ball Tip, Boston Finish ...(℔ pair.)	@ 65	plain 1 65	2 00 @ 3 25	@ 1 25
Bronze metal	@ 1 90	@ 10	@ 12	@ 1 00
Brass (for cupboards.)	@ 10	@	@	@ 35
Ebony	@	@	@	37 @ 1 00
Apple wood	@	@	@	
Knobs: (℔ *set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not Sold.*
Hemacite	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, silvered	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:	@	@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 7½	@ 7	@ 6¾
Lead Pipe	@	@ 6¼	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 36 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 36 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10

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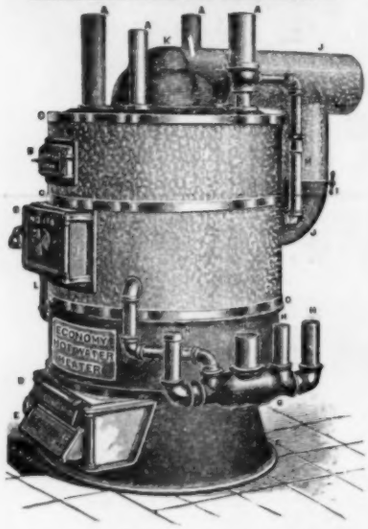

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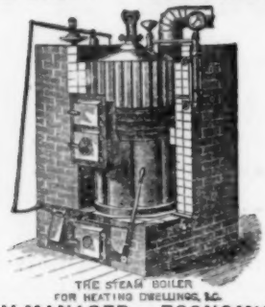

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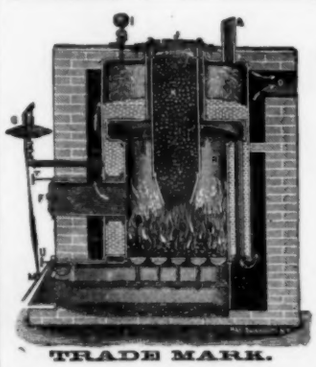

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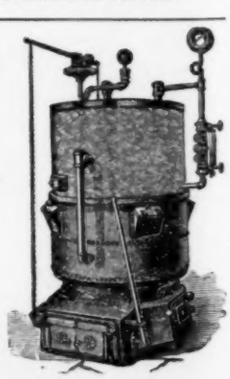

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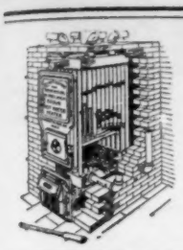

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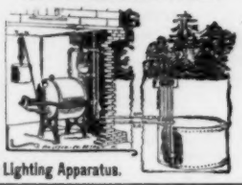

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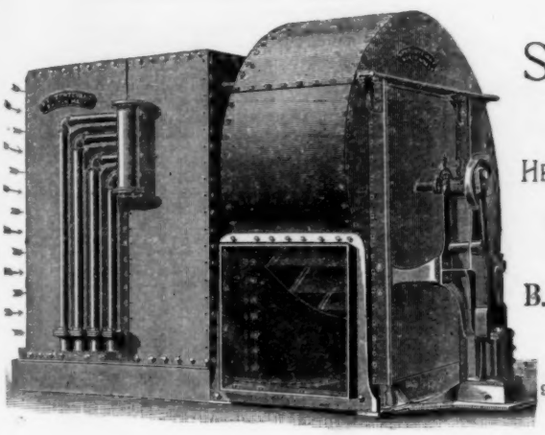

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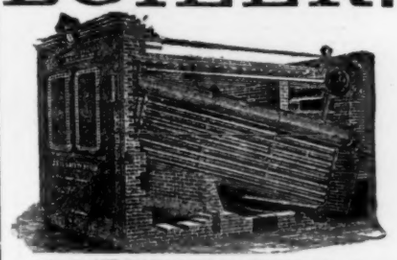

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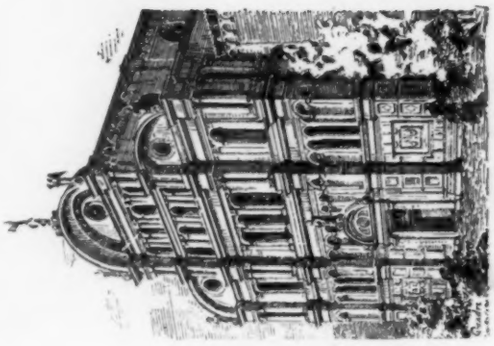

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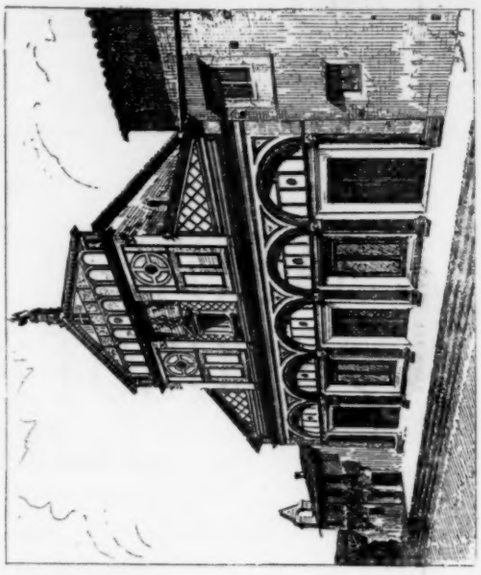

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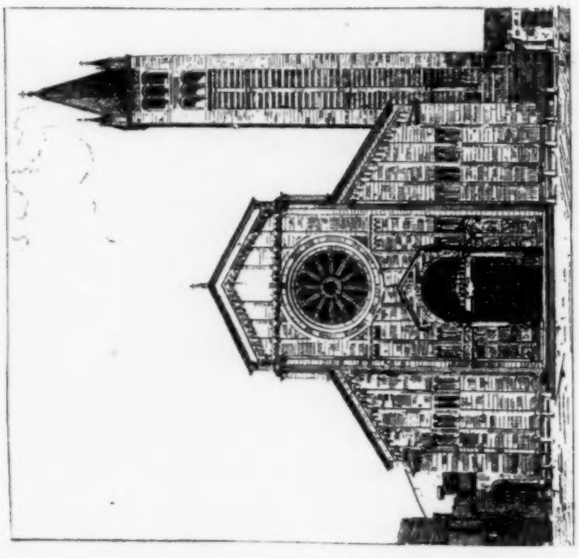

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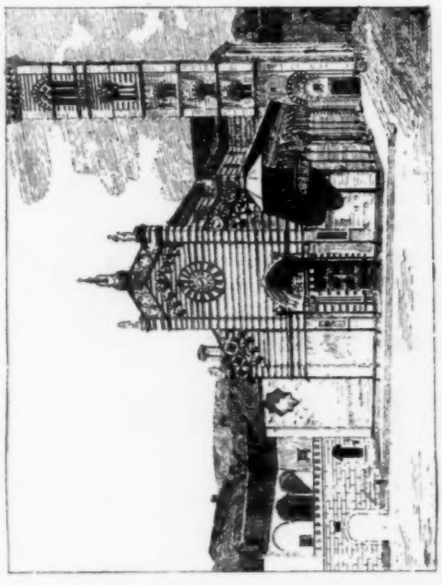

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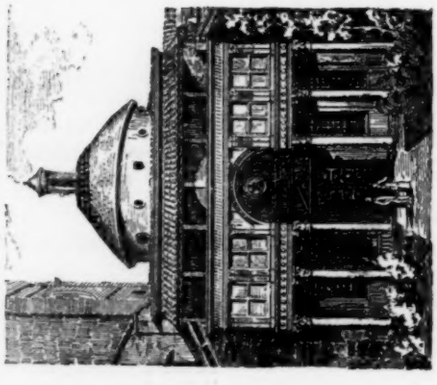

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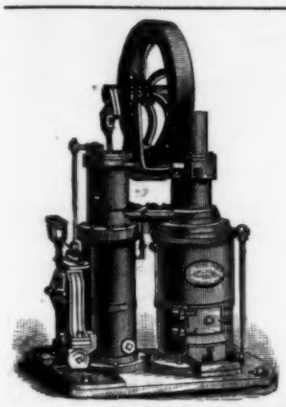

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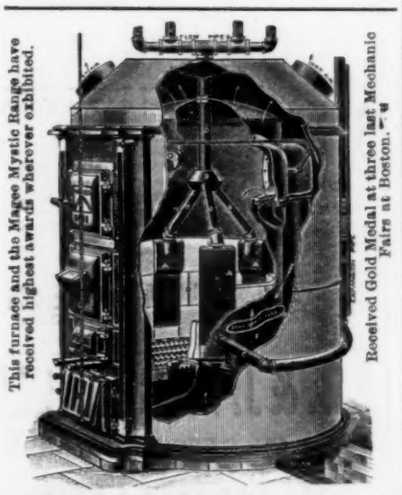

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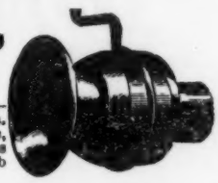

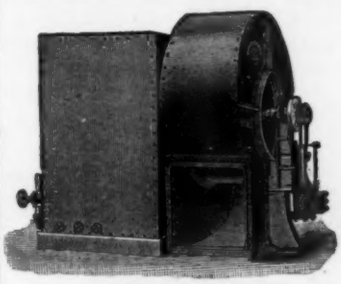

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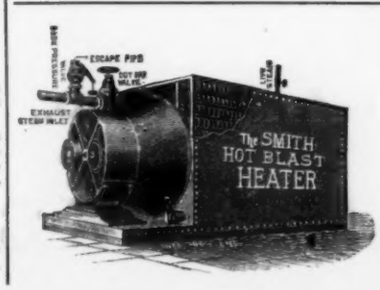

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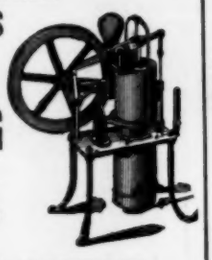

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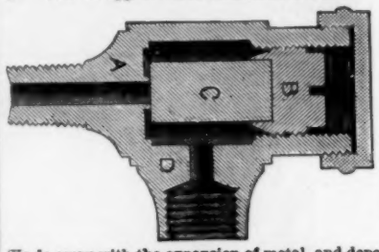

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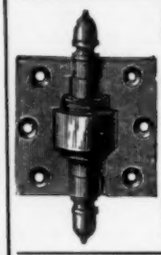

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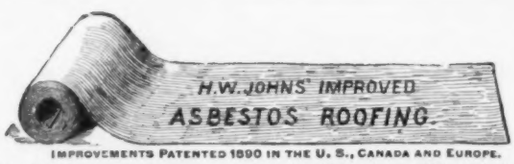

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The American Architect and Building News

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PERSPECTIVE DRAWING.

The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

WANTED.

POSITION.—Wanted, a position as draughtsman; have had three years' experience at general office work. Address H. R. Hayden, Jr., 77 Pearl Street, Hartford, Conn. t.f.

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DRAUGHTSMAN.—Wanted, a good architectural draughtsman; one who is familiar with Renaissance detail preferred. Address, stating terms and references, Jos. Evans Sperry, Central Savings Bank Building, Baltimore, Md. 853

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DRAUGHTSMAN.—Wanted, draughtsman; must be competent to do detail work. Address at once, stating wages expected, Des Jardins & Hayward, Architects, Room 62, Pike Building, Cincinnati, Ohio. 853

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472,045. Sink Connection. — Franklin Goss, New London, Conn.

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472,088. Fastener for the Meeting-Rails of Sashes.—Lewis C. Walker, Indianapolis, Ind.

472,110. Door-Guard. — Albert W. Eckerson, Schenectady, N. Y.

472,113. Elevator. — Charles W. Fowler, Baltimore, Md.

472,128. Water-Heater.—Hanson B. Joyce, Boston, Mass.

472,160. Scaffold.—Henson L. Clark, Russiaville, Ind.

472,163. System of Ventilation. — James F. Duffy, Chicago, Ill.

472,192. Hinge.—Francis W. Loring, Boston, Mass.

472,219. Hot-Air Furnace. — Martin Koehler, Toledo, Ohio.

472,266. Builder's Chart. — Frederick H. Kindl and Charles V. Childs, Pittsburgh, Pa.

472,294. Eaves-Trough Hanger. — George W. Heartley, Toledo, Ohio.

472,296. Snow-Guard. — Lewis T. Houghton and Albert A. Barker, Worcester, Mass.

472,325. Sash-Fastener. — Charles Alteman and Duncan C. C. MacDonald, London, Canada.

472,340. Combined Burglar-Alarm and Door-Fastener.—Charles K. Donnell, Webster, Me.

472,345. Level Attachment.—John J. Finmant and John J. Nissen, Hopkins, Minn.

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472,479. Fire-Shield for Buildings.—Augustus A. Hagen, New York, N. Y.
472,511. Wall-Plaster.—Walter Robinson, Syracuse, N. Y.
472,514. Scaffold. — William J. Sankey, Des Moines, Iowa.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING APRIL 15, 1893.

From Amsterdam.—Steamer "*Didam*," 1,000 casks cement, Morris Ebert.

From Antwerp. — Ship "*Arabia*," 6,770 barrels cement, J. & W. Seligmann & Co. Steamer "*Monmouthshire*," 3,000 casks cement, 500 barrels do., order. Steamer "*Friesland*," 2,500 casks cement, 1,250 barrels do., order.

From Bremen. — Steamer "*Hermann*," 10 kegs cement, Ed. Sohns; 2,016 casks Portland cement, order. Steamer "*Braunschweig*," 1,008 casks Portland cement, Baetjer & Meyerstein; 784 do., order. Steamer "*Elbe*," 1,008 casks cement, Baetjer & Meyerstein.

From Bristol.—Steamer "*Mohican*," 300 cases bathbricks, American Trading Co.

From Catania.—Steamer "*Victoria*," 150 tons block asphalt, order.

From Glasgow. — Steamer "*State of Nebraska*," 294 cases granite, Austin, Baldwin & Co.; 31 blocks stone, G. P. Sherwood; 20 do., H. P. Binswanger.

From Hamburg. — Steamer "*Rhætia*," 560 casks cement, E. Thiele; 1,000 barrels do., order. Steamer "*Marsala*," 4,017 loaves asphalt, Chas. W. Saacke; a lot do., order.

From Havana.—Steamer "*Saratoga*," 48 bags asphaltum, R. F. Downing & Co. Steamer "*Habana*," 25 bags asphaltum, C. Oertel; 80 do., R. C. Jamison & Co.

From Liverpool.—Steamer "*Denmark*," 2,009 casks bricks, order. Steamer "*Servia*," 558 casks bricks, Howard Fleming.

From London.—Steamer "*America*," 1,000 casks Portland cement, 1,000 do. cement, order. Steamer "*Mississippi*," 10 blocks stone, R. Kittson; 1,000 casks cement, Hammill & Gillespie; 2,650 do., order. Steamer "*Persian Monarch*," 1,000 casks cement, Bank of British North America.

From Mazzerelli. — Steamer "*Wm. Balls*," 2,100 tons rock asphalt, Barber Asphalt Paving Co.

From Naples.—Steamer "*Victoria*," 1 case asphalt, order.

(Continued on page xv.)

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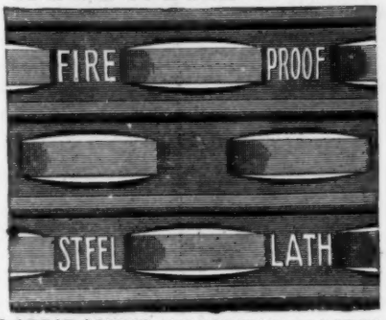

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From St. Jago. — Steamer "*Santiago*," 41 logs mahogany, G. Amsinck & Co.; 37 do., Ichabod T. Williams & Co.; 40 do., E. D. Albro & Co.

From St. John, N. B. — Schooner "*Wendell Burpee*," 137,520 feet spruce lumber, Chase, Talbot & Co.

From Windsor, N. S. — Schooner "*Wentworth*," 600 tons plaster, J. F. Whitney.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Camden, N. J. — *Mickle St.*, s w cor. Fourth St., alterations and additions to dwell.; owner, F. K. Deal.

Market St., No. 826, alterations and additions to dwell.; owner, G. H. Hyers.

Liberty St., bet. Second and Third Sts., two-st'y addition to factory; owner and builder, Robert Kaighn.

Chestnut Hill, Pa. — Alterations to dwell. of A. Kelsey, Esq.; architect, Louis C. Hickman, 703 Penn Mutual Building, Philadelphia.

Three-st'y stone addition to dwell.; owner, Bunforn Samuel, Esq.; architect, Harold Godwin, 905 Walnut St., Philadelphia.

Chicago, Ill. — A. W. Green, two-st'y addition, 4933 Greenwood Ave.; cost, $3,000.

John McCarthy, one-st'y addition, 5722-5724 State St.; cost, $4,100.

M. A. Bartlett, one-st'y addition, Illinois and Dearborn Sts.; cost, $7,000.

Patrick Turner, four-st'y addition, 3353-3355 Wabash Ave.; cost, $40,000.

H. C. Walker, two-st'y addition, 346 Wabash Ave.; cost, $6,000.

Merionville, Pa. — Additions and alterations to stable; owner, Mrs. A. Armbruster; contractor, A. L. Fretz, Cynwyd, Pa.; architect, Louis C. Hickman, Penn Mutual Building, Chestnut St., above Ninth St., Philadelphia.

Milford, Del. — New press-brick front, one-st'y addition and other alterations to the Central Hotel.

New York, N. Y. — *Lafayette Pl.*, through to Fourth Ave., alterations to Brokan's store; architects, Messrs. Rose & Stone.

Fifth Ave., No. 800, alterations to dwell.; owner, Mr. J. A. Bostwick; architects, Messrs. D. & J. Jardine.

Mulberry St., n w cor. Jersey St., nine-st'y fireproof addition to the *Puck* Building; cost, $365,000; architect, Albert Wagner.

Philadelphia, Pa. — *North Seventh St., No.* 872, interior and exterior alterations; architect, J. F. Stuckert, 524 Walnut St.

Market St., No. 629, Furness, Evans & Co., architects, 209 South Third St., have prepared plans for the rebuilding of this property, which was destroyed by fire; contractors, Thos. Little & Son, 207 Pear St.

Somerset St., n e cor. Eighth St., three-st'y brick additions and alterations to factory buildings; owner, John H. Dearnby; architect, Walter H. Geissinger, Chestnut and Walnut Sts.

Spruce St., No. 1317, addition of Indiana limestone and Pompeiian brick front and interior alterations to dwell.; also three-st'y back building; owner, Chas. W. Potts; architect, Louis C. Hickman, 703 Penn Mutual Building.

Woodland Ave., cor. Sixty-second St., one and two st'y additions to buildings; owner, J. G. Brill, Woodland Ave. and Sixty-second St.

Pine and Eleventh Sts., two-st'y addition to the Gladstone Apartment-house; architect, Theophilus P. Chandler, Jr., Brown Bros.' Building, Chestnut St., cor. Fourth St.

Somerville, Mass. — *Somerville Ave. and Beach St.*, alterations to tenements; owner, Walter Shute; builder, Samuel Landry.

APARTMENT-HOUSES.

Brooklyn, N. Y. — *Seventh St.*, s s, 219' 6½" w Sixth Ave., 8 three-st'y brick apartment-houses, tin roofs; cost, $40,000; owner and builder, Wm. Brown, Seventh Ave.; architect, W. M. Coots, 26 Court St.

Chicago, Ill. — Ed. Fitzsimmons, two-st'y flats, 4333 Langley Ave.; cost, $3,000.

E. Hastings, two-st'y flats, 5482 Ridgeway Ave.; cost, $5,000.

F. H. J. Lambkin, two-st'y flats, 491 North Hoyne Ave.; cost, $4,500.

Axel Swensen, 2 three-st'y flats, 3750-3752 Stanton Ave.; cost, $11,500.

Henry Brady, 2 three-st'y flats, 316 Centre Ave.; cost, $6,500.

John Schnow, three-st'y flats, 106 Lewis St.; cost, $3,500.

John Filke, 2 three-st'y flats, 264-268 Mohawk St.; cost, $9,000.

Mrs. H. D. Call, two-st'y flats, 5407 Monroe Ave.; cost, $3,500.

Madlung & Eldman, two-st'y flats, 6757 Halsted St.; cost, $3,000.

Andrew Rehm, two-st'y flats, 1510 Lill Ave.; cost, $4,000.

Adolph Mecklenberg, four-st'y flats, 196 Augusta St.; cost, $6,000.

J. S. Schroeder, three-st'y flats, 134 Fry St.; cost, $4,500.

Herman Hauke, three-st'y flats, 449 Washington Boulevard; cost, $4,000.

James Haskins, two-st'y flats, 1008 Barney Ave.; cost, $3,000.

John Goesch, two-st'y flats, 25 Cornelia St.; cost, cost, $4,500.

Ed. Ott, three-st'y flats, 512 North Franklin St.; cost, $5,000.

J. Griesenbeck, three-st'y flats, 155 Orchard St.; cost, $4,000.

Mrs. E. Senzord, three-st'y flats, 1132 Wilcox Ave.; cost, $6,000.

Christian Smith, 5 three-st'y flats, 4154-4158 Cottage Grove Ave.; cost, $37,000.

W. P. Cummings, 2 three-st'y flats, 4837-4839 St. Laurence Ave.; cost, $7,500.

Olsen & Baker, three-st'y flats, Root St. and Emerald Ave.; cost, $7,000.

Frank Kirkham, two-st'y flats, Robey and Gannett Sts.; cost, $3,000.

P. O'Malley, three-st'y flats, 1884 Diversey St.; cost, $5,000.

John F. Pierce, three-st'y flats, 3240 South Park Ave.; cost, $8,000.

Albert Burandt, three-st'y flats, 515 West Thirteenth St.; cost, $8,000.

W. A. Houps, three-st'y flats, 3513 South Halsted St.; cost, $6,000.

H. P. Murstig, four-st'y flats, 22 Elizabeth St.; cost, $7,500.

Albert Koch, two-st'y flats, 866 Walnut St.; cost, $5,000.

John Hayman, two-st'y flats, 1004 Wood St.; cost, $6,000.

W. H. Berer, 2 two-st'y flats, 6640-6442 Honore St.; cost, $13,000.

A. L. Buchard, 3 two-st'y flats, 1202-1206 Madison St.; cost, $35,000.

Fred Holtzie, three-st'y flats, 1357 Van Buren St.; cost, $6,000.

J. D. Horton, 6 three-st'y flats, 435-445 Garfield Boulevard; cost, $36,000.

F. E. & A. M. Mick, two-st'y flats, 6624 Wright St.; cost, $3,500.

George E. Caughey, three-st'y flats, 4559 Champlain Ave.; cost, $10,000.

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BUILDING INTELLIGENCE.

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Morris Eisenberg, three-st'y flats, 54 Clybourne Ave.; cost, $8,000.

James Connor, 3 four-st'y flats, Ogden Ave. and Twelfth St.; cost, $40,000.

J. Hanacke, two-st'y flats, 755 West Seventeenth St.; cost, $4,000.

A. Olson, three-st'y flats, 338 Hoffman Ave.; cost, $3,000.

S. C. Hayes, 4 two-st'y flats, 1569-1575 Carroll Ave.; cost, $12,000.

G. W. Finch, two-st'y flats, 1564 Monroe St.; cost, $7,000.

J. E. Cohn, two-st'y flats, 791 Walnut St.; cost, $3,500.

Joseph Kohne, three-st'y flats, 621 Thirteenth St.; cost, $7,500.

Chas. Wagden, two-st'y flats, 795 Armitage Ave.; cost, $3,100.

T. H. Murray, three-st'y flats, 629 South Fairfield Ave.; cost. $5,000.

J. H. Thurneck, three-st'y flats, West Court St., near Belmont Ave.; cost, $6,000.

New York, N. Y.—*Twenty-sixth St.*, s s, bet. Lexington and Fourth Aves, seven-st'y brick and stone flat; cost, $65,000; owner, R. Hutchison; architect, Henry Davidson.

West End Ave., e s, 80' 11" s One Hundred and Fifth St., four-st'y brick flats, mansard, tin and terra-cotta tile roof; cost, $22,000; owner, Samuel K. McGuire, 146 West Ninety-fourth St.; architect, Samuel A. McGuire, 151 West Twenty-eighth St.

CHURCHES.

Baltimore, Md. — George Archer, architect, is preparing plans for a brick, marble and granite synagogue; cost, abt. $30,000; for the Mikro Kodesch congregation.

Charlottesville, Va.—The building of a $30,000 edifice is contemplated by Christ Episcopal Church.

Pender, Neb. — Brick and frame church; architect, C. W. Bolton, 1510 Chestnut St.

Philadelphia, Pa. — *Tioga St.*, n e cor. Sixth St., three-st'y stone chapel and parochial school; architect, E. F. Durang, 1200 Chestnut St., Philadelphia.

Ponca, Neb.—Frame church, to cost about $6,000.

Staunton, Va. — The M. E. Church, South, contemplate building an edifice to cost abt. $20,000.

FACTORIES.

Chicago, Ill. —Jodinks Manufacturing Co., three-st'y factory, Armitage Ave. and Lewis St.; cost, $12,000.

Philadelphia, Pa. — *North Third St., No.* 955, four-st'y factory; owner, George W. Frederick, 1306 Vienna St.

Walnut St., n s, bet. Ninth and Tenth Sts., three-st'y brick factory; contractor, Jacob R. Garber, 52 North Thirteenth St.

Frankford Ave., e s, n Wheat Sheaf Lane, 6 two-st'y factory buildings; contractor, George Kessler, 1643 Perth St.

Falls of Schuylkill, two-st'y carpet-factory; owners, John & James Dobson.

Worcester, Mass.—*Valley Falls*, two-st'y brick factory; owner, E. D. Thayer, Jr.; builder, A. E. Bigelow.

Prescott St., five-st'y brick factory; owner, G. Henry Whitcomb; contractor, S. I. Howard; architects, Earle & Son.

HOUSES.

Baltimore, Md. — William Butzler, 8 two-st'y brick buildings, e s Asquith St., n North Ave.

Wm. F. Allen, 5 two-st'y brick buildings, w s Dallas St., bet. Eastern and Canton Aves.

A. J. Llewellyn, 18 two-st'y brick building, n s Carlyle Pl., e Broadway.

W. E. Garrettson, 2 three-st'y brick buildings, n w cor. Cedar and First Sts.

G. W. Dickerson, 9 two-st'y brick buildings, w s East Ave., bet. Dillon and Hudson Sts.

James Moane, three-st'y brick building, w s Central Ave., bet. Hoffman and Oliver Sts.

Boston, Mass. — *Harvest St., No.* 20, Ward 20, frame dwell., 20' x 44'; builder, W. T. Eaton.

Hyde Park Ave., near Canterbury St., Ward 23, three-st'y frame dwell., pitch roof, 24' x 44'; owner, Patrick Degnon.

Marcella St., rear No. 125, Ward 21, three-st'y frame dwell., flat roof, 26' x 28'; owner, Elizabeth Mulvey; builder, J. B. Mulvey.

Bower St., near Humboldt Ave., Ward 21, three-st'y frame dwell., flat roof, 25' x 51'; owner, W. H. Foye; builders, Decker Bros.

Sumner St., No. 268, Ward 2, three-st'y frame dwell. and store, flat roof, 20' x 37'; owner, Antonio Cornatto; builder, Richard Costello.

Williams St., near Washington St., Ward 23, 2 three-st'y frame dwells., hip roofs, 23' x 40'; owner, Thomas Minton; builder, J. J. Flynn.

Grace Ave., near Arcadia St., Ward 24, three-st'y frame dwell., flat roof, 30' x 49.9'; owner, Mrs. E. C. Flusk; builder, A. Spence.

Corey St., No. 60, Ward 3, 2 three-st'y frame dwells., flat roofs, each 22' x 31'; owner and builder, P. O. Riordan.

Medford St., No. 86, cor. Corey St., and *Nos.* 88-90, Ward 3, 3 three-st'y frame dwells., flat roofs, 20.6' x 38' owner and builder, P. O. Riordan.

Beacon St., near Miner St., Ward 22, 2 four-st'y brick dwells., flat roofs, 22' x 56'; owner, Howard Coon; builders, H. Coon & Co.

Cowper St., near Rice St., Ward 1, frame dwell., hip roof, 23' x 30'; owner; James Roe; builder, Thos. Newby.

Neponset Ave., near Hyde Park Ave., Ward 23, frame dwell., 24' x 51'; owner, John Mullen; builders, Sittig Bros.

Robin Hood St., near Magnolia St. and near Hartford St., Ward 20, 11 three-st'y frame dwells., hip roofs, various dimensions; owners, Frost Bros.; builder, G. Lanning.

Dennis St., near Lake St., Ward 25, three-st'y frame dwell., flat roof, 23' x 52'; owner, James Muldoon; builder, M. McLaughlin.

Johnson St., near Jamaica St., Ward 23, three-st'y frame dwell., pitch roof, 23' x 52'; owner, John Keefe; builder, J. F. Sullivan.

L St., cor. East Sixth St., Ward 14, three-st'y frame dwell., flat roof, 25' x 58'; owner and builder, S. N. Johnson.

Buckley Ave., near Centre St., No. 302, Ward 23, frame dwell., 25' x 43'; owners, Annie and Frances Buckley; builder, G. Merz.

Minden St., near Day St., Ward 22, three-st'y frame dwell., flat roof, 24' x 40'; owner, W. McLaughlin; builders, McDonald & Co.

St. Botolph St., cor. Harcourt St., Ward 11, four-st'y brick lodging-house, flat roof, 57' x 80'; owner, Godfrey Morse; builders, Sampson, Clark & Co.

Buttonwood St., near Mt. Vernon St., Ward 15, three-st'y frame dwell., flat roof, 23' x 43'; owner, Ann Young; builders, Howard Bros.

Baker Pl., near Oleander St., Ward 20, frame dwell., 24' x 30'; owner, J. H. Ring; builder, W. J. Jobling.

Unnamed St., off Humphreys St., Ward 20, frame dwell., 24' x 46.9'; owner and builder, H. J. Boden.

Leyland St., No. 28, Ward 20, three-st'y frame dwell., flat roof, 23' x 57'; owner and builder, A. D. Gould.

Highland St., No. 19, Ward 21, three-st'y frame dwell., flat roof, 29' x 45'; owner and builder, B. L. Randall.

Binney St., opp. Smyrna St., Ward 22, three-st'y frame dwell., flat roof, 25' x 48'; owner, J. F. Keenan; builder, T. Desmond.

Hillside St., near Parker St., Ward 22, three-st'y frame dwell., pitch roof, 24' x 52.6'; owner, Henry Hunt; builder, M. J. Curley.

Walden St., No. 38, cor. Arklow St., Ward 22, frame dwell. and store, flat roof, 15' x 55'; owner, J. E. Hesleau; builder, M. J. O'Brien.

Ivory St., near Temple St., Ward 23, frame dwell. 22' x 30'; owner, Trustee of Twenty-five Associates; builder, M. A. Blanchard.

Agassiz Park, from Burroughs St., No. 50, Ward 23, frame dwell., 27' x 50'; owner, R. S. Barrows; builder, M. A. Blanchard.

Gardner St., near Spring St., Ward 23, frame dwell., 20' x 32'; owner, P. J. Hinn; builders, Newman & Riggs.

Ashfield St., near Fairview St., Ward 23, two-st'y frame dwell., hip roof, 26' x 41'; owner, A. A. Robert; builders, Dame & Warner.

Neponset Ave., near Grove Ave., Ward 24, frame dwell., 24' x 45'; owner, T. J. Morgan; builder, J. F. Sullivan.

South St., cor. Guernsey St., Ward 23, frame dwell., 25' x 28'; owner and builder, Edward Wrin.

Boylston St., near Centre St., Ward 23, frame dwell., 33.6' x 43'; owner, J. W. Boyd; builder, W. P. Wentworth.

BUILDING INTELLIGENCE.

Harriet St., near Parsons St., Ward 25, frame dwell., 25.10' x 34.4'; owner, Miss Mary Cady; builder, Lyman Warren.

Magnolia Ct., near Magnolia St., Ward 20, frame dwell., 26.6' x 37'; owner, Mrs. T. N. Rafsted; builders, Lanning & McElroy.

Fuller St. extension, near Dorchester Ave., Ward 24, frame dwell., 24' x 40'; owner and builder, Isaac Schurman.

Schiller St., near Heath St., Ward 22, three-st'y frame dwell., flat roof, 26.4' x 48.40'; owner, Mrs. R. Johnson; builder, C. Logue.

Roslin St., cor. Harley St., Ward 24, three-st'y frame dwell., pitch roof, 29.6 x 35.6'; owner, Mrs. M. C. Hartford; builders, J. H. Burt & Co.

Bearse Ave., near Medway St., Ward 24, three-st'y frame dwell., flat roof, 24' x 44'; owner, Mrs. C. Brewer; builder, Patrick O. Hern.

Walter St., cor. Jones St. and cor. Proctor St., Ward 23, four frame dwells., 20.9' x 31.6'; owner and builder, C. R. Davenport.

Spencer St., near Wheatland Ave., Ward 24, frame dwell., 24' x 38'; owner, M. O'Gorman; builder, D. J. Gillis.

Paul Gore St., No. 35, Ward 23, frame dwell., 27.9' x 45'; owner, Patrick Nolan; builder, J. F. Sullivan.

Paul Gore St., Nos. 123, 127, 129, Ward 23, 3 three-st'y frame dwells., flat roofs, 36' x 42' and 24' x 46'; owner, Louis Schupmann; builder, Peter Schneider.

Evans St., near Milton Ave., Ward 24, frame dwell., 24' x 31'; owner and builder, W. A. Macauley.

Elmont St., No. 11, Ward 24, frame dwell., 20' x 32'; owner and builder, A. B. Chadwick.

Mead St., No. 47, Ward 4, three-st'y frame dwell., flat roof, 17.6' x 35.6'; owner and builder, John Donovan.

St. Stephen's St., Nos. 212-218, Ward 22, 4 four-st'y brick dwells., flat roofs, 22.6' x 41'; owner, H. M. Whitney; builder, C. A. Dodge.

Cowper St., near Moore St., Ward 1, two frame dwells., 22' x 44'; owner, J. F. Spiers and J. C. Westlake; builder, J. S. Martin.

Ingleside St., near Blue Hill Ave., Ward 20, three-st'y frame dwell., flat roof, 26' x 41.2'; owner, James E. Sawyer; builder, W. Greenlaw.

West Cottage St., cor. Judson St., Ward 20, 2 three-st'y frame dwells., flat roofs, 35' x 41', and 24' x 59.3'; owner, P. J. Dinn; builders, P. Flynn & Co.

Crawford St., near Warren St., Ward 21, three-st'y frame dwell., 24' x 64.9'; owners and builders, Wood & Wetherbee.

Day St., No. 61, Ward 22, three-st'y frame dwell., flat roof, 22' x 43'; owner, W. H. Whiteley; builders, V. A. Vickery & Sons.

Lamartine Terrace, near Lamartine St., Ward 23, three-st'y frame dwell., flat roof, 26' x 50'; owner and builder, Z. L. Babbitt.

Wenham St., near Walk Hill St., Ward 23, three-st'y frame dwell., pitch roof, 22′ x 40′; owner, T. W. Whelpley; builders, Sittig Bros.

Boylston St., cor. Bismarck St., Ward 23, three-st'y frame dwell., pitch roof, 30′ x 45′; owner, Fred Schmidt; builder, P. Schneider.

Savin Hill Ave., near Grampian Way, Ward 24, three frame dwells., 24′ x 28′; owner and builder, I. Schurman.

Washington St., No. 2684, Ward 21, four-st'y frame dwell. and store, flat roof, 31′ x 44′; owner, F. A. Berowski; builders, Tighe & Fraser.

Lenox St., Nos. 30-32, Ward 19, 2 three-st'y brick dwells., flat roofs, 19.6′ x 29.6′; owner and builder, E. R. Fernald.

Brooklyn, N. Y. — *Fifth Ave.*, n e cor. Fifty-fourth St., three-st'y frame dwell., tin roof; cost, $5,000; owner, architect and builder, P. Henry Hanrahan, Fortieth St. and Third Ave.

Belvedere St., s s, 203′ e Broadway, three-st'y frame dwell., tin roof; cost, $4,000; owner and builder, Michael Mayer, 20 Belvedere St.; architect, Th. Engelhard, 905 Broadway.

Bedford Ave., n e cor. South Fourth St., 2 four-st'y brick dwells., tin roofs; cost, $18,000; owner, T. L. Bird, Trustee, 315 Jefferson St.; architect, Benj. Finkensiefer, 93 Broadway.

Nassau Ave., n s, 27′ e Sutton St., 3 three-st'y frame dwells., gravel roofs; cost, $4,000 each; owner, P. C. Grenning, 420 Gates Ave.

Dodworth St., s s, 131′ 7″ e Broadway, 3 three-st'y frame dwells., tin roofs; cost, $4,000 each; owner, N. Will, 633 Hart St.; architect, H. Vollweiler, 483 Hart St.

McDonough St., n s, 177′ 6″ e Reid Ave., 4 two-st'y brick dwells., tin roofs; cost, $5,000 each; owner, Chas. G. Reynolds, 243 Reid Ave.; architect, Henry B. Hill, 243 Reid Ave.

Tenth St., n s, 138′ w Eighth Ave., 10 three-st'y brick dwells., tin roofs; total cost, $45,000; owner, James Jack, 454 Ninth St.; architect, Robert Dixon, 219 Montague St.

Reid Ave., e s, 25′ s Jefferson St., 2 four-st'y brick dwells., tin roofs; cost, $15,000 each; owner, Thos. McDonald, 495 Bergen St.; architect, M. F. Walsh, 74 Rockaway Ave.

Belmont Ave., n s, 25′ w Warwick St., 4 two-st'y frame dwells., tin roofs; cost, $2,800 each; owner, architect and builder, E. R. Tichenor, 447 Gold St.

Jefferson Ave., s s, 100′ e Evergreen Ave., 10 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, Adolphus Gload, 1593 Broadway; architect, H. Vollweiler, 483 Hart St.

Eleventh St., n s, 125′ e Seventh Ave., 4 three-st'y brick dwells., tin roofs; cost, $4,500 each; owner, architect and builder, E. Peterson, Eighth Ave. and Twelfth St.

Halsey St., s e s, 160′ n e Evergreen Ave., 4 two-st'y frame dwells., tin roofs each; cost, $3,000; owner, architect and builder, J. Maneschmidt, 585 Evergreen Ave.

Himrod St., n s, 150′ w Knickerbocker Ave., three-st'y frame dwell., iron roof; cost, $4,500; owner, J. Schnabel, 217 Himrod St.; architect, F. J. Lessing, 91 Ralph Ave.

Harmon St., s s, 300′ e Irving Ave., 2 three-st'y frame dwells., tin roofs; cost, $3,800 each; owner, R. B. Wilson, 1129 Madison St.

McDonough St., n s, 174′ w Patchen Ave., 2 two-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Chas. H. Roberts, 243 Reid Ave ; architect, Henry B. Hill, 243 Reid Ave.

Greene Ave., s s, 25′ w Lewis Ave., 5 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner and builder, T. B. Bryant, 272 Lewis Ave.; architect, J. D. Reynolds, 363 Fulton St.

Beaver St., 225′ s Flushing Ave., three-st'y frame dwell., tin roof; cost, $3,800; owner and builder, John Halz, 10 Ewen St.; architect, E. Schrempf, 534 Bushwick Ave.

Dean St., n s, 100′ w New York Ave., 5 three-st'y brick dwells., tin roofs; cost, $6,500 each; owner and builder, J. A. Bliss, 204 McDonough St.; architect, A. E. White, 445 First St.

St. Marks Ave., n s, 214′ e Brooklyn Ave., 2 three-st'y brick dwells., slate and tin roofs; cost, $30,000; owner, Chas. C. Lloyd, 380 Broadway, New York City; architect, M. W. Morris, 45 and 47 Exchange Pl.

Stanhope St., s s, 110′ w St. Nicholas Ave., two-st'y frame dwell., tin roof; cost, $3,500; owner and builder, Nicholas Lynch, 444 Central Ave.; architect, Ernest Dennis, 115 Himrod St.

Jefferson Ave., n s, 170′ w Howard Ave., 6 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner and architect, C. E. Palmer, 832 Jefferson Ave.

Forty-sixth St., s s, 280′ e Fourth Ave., two-st'y frame dwell.; tin roof; cost, $3,000; owner, D. E. Driscoll, 280 Forty-sixth St.

Jefferson Ave., n s, 370′ e Stuyvesant Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner and builder, Wm. Jonson, 224 St. John's Pl.; architects, J. D. Reynolds & Son, 363 Fulton St.

Blake Ave., n s, 50′ w Christopher Ave., three-st'y brick dwell., tin roof; cost, $7,000; owners, Goldberg & Levinson, 94 Division St., New York City.

Forty-sixth St., s s, 320′ e Fourth Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, D. E. Driscoll, 280 Forty-sixth St.

Nassau Ave., n s, 27′ w Morgan Ave., 3 three-st'y frame dwells., gravel roofs; cost, $4,000 each; owner, P. C. Grenning, 420 Gates Ave.

Hancock St., s w cor. Nostrand Ave., five-st'y brick dwell., slate and tin roof; cost, $50,000; owner, Louis F. Seitz, Alhambra Flat, Nostrand Ave.; architect, Montrose W. Norris, 45 Exchange Pl.

Stanhope St., s s, 100′ e Wyckoff Ave., three-st'y frame dwell., tin roof; cost, $5,000; owner, A. Grede, New York City; architects, D. Acker & Son, 752 Broadway.

Milford St., w s, 90′ s Sutter Ave., 2 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, C. F. Maguire, 155 Liberty Ave.; architect, J. H. Maguire.

Stanhope St., No. 355, three-st'y frame dwell., tin roof; cost, $4,000; owner and builder, Lorenz Koehler; architects, D. Acker & Son, 752 Broadway.

Sutter Ave., s s, 25′ w Jerome St., 4 two-st'y frame dwells., tin roofs; cost, $1,700 each; owner and builder, Frederick Eiermann, 260 Schenck Ave.

Ainslie St., No. 234, two-st'y frame dwell., tin roof; cost, $6,000; owner, F. Roenmele, Jr., 326 Graham Ave.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Lafayette Ave., n s, 260′ e Marcy Ave., 3 three-st'y brick dwells., tin roofs; cost, $6,000 each; owners and builders, Edward Phillips & Son, 543 Greene Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

McDonough St., s s, 22′ 6″ w Stuyvesant Ave., 5 three-st'y brick dwells., tin roofs; cost, $6,000 each; owner, John F. Ryan, Hewes St.; architect, Henry B. Hill, 243 Reid Ave.

Pacific St., s e cor. Bedford Ave., 2 five-st'y brick dwells., mansard slate roof; cost, $80,000; owner, Louis F. Seitz, Alhambra, Nostrand Ave.; architect, Montrose W. Morris, 45 Exchange Pl.

President St., s s, 72′ w Hicks St., four-st'y brick dwell., tin roof; cost, $8,000; owner, Michael E. Butler, 121 Rafelye St.; architect, Stephen Hazzard, 175 Pacific St.

Eleventh St., n s, 105′ e Seventh Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner, architect and builder, E. Peterson, Eighth Ave. and Twelfth St.

Fifty-fourth St., s s, 120′ e Fourth Ave., 6 two-and-one-half-st'y brick dwells., tin roofs; cost, $4,000 each; owner and builder, Alex. Waldron, 1106 Third Ave.

Macon St., s s, 188′ e Ralph Ave., 5 two-st'y brick dwells., tin roofs; cost, $22,000; owner and architect, John R. Pitt, 297 Stuyvesant Ave.

Cincinnati, O. — John Westerkamm, two-and-one-half-st'y brick and stone dwell., 80 Sidney Ave.; cost, $3,000; architect, M. Fisher.

Jacob Fisher, three-st'y brick and stone dwell. and shop, 63 Everett St.; cost, $2,500; architect, C. Diss.

C. Schick, two-and-one-half-st'y brick and stone dwell., Hatmaker St.; cost, $3,000; architects, E. & F. Baude.

John Conlon, frame dwell., Third St.; cost, $3,000; architect, A. O. Elzner.

John Scudder, two-st'y frame dwell., Fredonia Ave.; cost, $6,000; architects, Burkamp & Son.

Detroit, Mich. — Peter Deidrichs, Jr., double brick dwell., 229-231 Montcalm St., e; cost, $8,000; also double brick dwell., 604-606 Brush St.; cost, $7,500.

C. H. Calwell, two frame dwells., 630-632 Warren Ave.; cost, $4 500.

R. J. Crawford, two frame dwells., 624-626 Warren Ave.; cost, $4,000.

W. Wilkinson, frame dwell., 431 Vinewood Ave.; cost, $3,300;

G. Vivier, brick dwell., 57 Baltimore St.; cost, $3,000.

J. R. Gentle, brick dwell., 387 Fourth Ave.; cost, $3,000.

W. H. Pocock, three frame dwells., 391-95-97 Fourteenth Ave.; cost, $4,600.

A. Corbeil, frame dwell., 786 Fourteenth Ave.; cost, $3,600.

Taylor & Thybolt, five frame double dwells., Guilloz Ave.; cost, $14,000; also eight dwells., 1652-54-56-58 Rivard St. and 371-373-375-377 Custer St.; cost, $18,000.

Malcomson & Higginbotham, double brick dwell., 10 12 Montcalm St.; cost, $4,200.

A. C. Varney & Co., two-st'y double brick dwell., 484-486 Third Ave.; cost, $7,600 also dancing academy, 56-58 Adams Ave., e; cost, $14,000.

New York, N. Y. — *One Hundred and Thirty-sixth St.*, n s, 150′ e Willis Ave., 6 three-st'y brick dwells., tin roofs; cost, $72,000; owner, Edward D. Bertine, 675 East One Hundred and Forty-first St.; architect, John Hauser, 1441 Third Ave.

Sixty-eighth St., n s, 110′ e Third Ave., 5 three-st'y brick dwells., tin roofs; cost, $47,500; owner, Mrs. Ellen S. Auchmutty, 61 University Pl.; architect, H. J. Hardenburgh, 10 West Twenty-third St.

Ninetieth St., s s, 200′ w West End Ave., 3 three-st'y brick dwells., tin roofs; cost, $15,000; owner, Theo. A. Squires, 308 West Ninetieth St.; architect, Clarence True, Eighty-eighth St. and Boulevard.

Seventy-fifth St., s s, 142′ w West End Ave., five-st'y brick dwell., tin roof; cost, $40,000; owner, Wm. H. Harris, 10 West Thirtieth St.; architect, R. H. Robertson, 121 East Twenty-third St.

One Hundred and Forty-fourth St., 84′ w Amsterdam Ave., 7 three-st'y brick dwells., tin roofs; cost, $63,000; owner, H. P. Niebuhr, 502 West One Hundred and Forty-fifth St.; architect, Geo. H. Griebel, 247 West One Hundred and Twenty-fifth St.

Evergreen Ave., w s, 75′ n Willoughby Ave., four-st'y frame dwell., tin roof; cost, $5,000; owner, C. Renant, 971 Willoughby Ave.; architect, H. Vollweiler, 483 Hart St.

Ingraham St., n s, 100′ w Morgan Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner and builder, George Wieseur, 313 Bushwick Ave.; architect, H. Vollweiler, 483 Hart St.

New York Ave., s w cor. Park Pl., two-st'y brick dwell., slate roof; cost, $6 500; owner, J. J. Higgins; architect, W. M. Coots, 26 Court St.; builder, J. H. Doherty, 286 Flatbush Ave.

McDonough St., n s, 218′ 2″ e Reid Ave., 2 two-and-one-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Chas. G. Reynolds, 243 Reid Ave.; architect, Henry B. Hill, 243 Reid Ave.

Stockholm St., No. 59, three-st'y frame dwell., tin roof; cost, $4,500; owner, Wm. Dieckmann, 63 Stockholm St.; architect, H. Vollweiler, 483 Hart St.

Suburban St., s s, 160′ e Bainbridge Ave., three-st'y stone and frame dwell., mansard, tin roof; cost, $4,000; owner, Daniel Gugisperg, cor. Bainbridge Ave. and Suburban St.; architect, Fred J. Miller, 227 East One Hundred and Eighty-third St.

Seventy-eighth St., s s, 225′ w Amsterdam Ave., 3 three-st'y brick dwells., tin roofs; cost, $36,000; owner, John Restel, 83 East Third St.; architect, Edward Wenz, 1491 Third Ave.

Creston Ave., e s, 100′ s Primrose St., three-st'y brick and frame dwell.; peak, slate and tin roof; cost, $7,500; owner, John B. Haskin, Highbridge Road, N. Y.; architect, A. B. Marshall, 2381 Bainbridge Ave.

West Fortieth St., No. 26, four-st'y brick dwell., tin roof; cost, $50,000; owner, Dr. Herman Knapp, 25 West Twenty-fourth St.; architect, D'Oench & Simon, 17 William St.

Sixty-ninth St., n s, 125′ e Columbus Ave., 10 four-st'y brick dwells., tin roofs; cost, $210,000; owner, William H. Hall, 687 Madison Ave.; architects, Thom & Wilson, 1267 Broadway.

One Hundred and Fifty-third St., s e cor. Eighth Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner, George Green, 2633 Eighth Ave.; architect, J. H. Valentine, One Hundred and Twenty-first St. and St. Nicholas Ave.

One Hundred and Forty-ninth St., s s, 165′ 8″ w Brook Ave., two-st'y brick and frame dwell.; cost, $3,000; owner, De Witt E. Cayton, 720 East One Hundred and Forty-ninth St.; architect, Chas. C. Churchill, 3493 Third Ave.

One Hundred and Eighty-second St., n s, 50′ w Audibon Ave., three-st'y stone and frame dwell.; tin roof; cost, $3,600; owner, Wm. Hepburn, 135 West Sixty-seventh St.; architect, James Stroud, 1267 Broadway.

Southern Boulevard, n e cor. One Hundred and Thirty-fifth St., two-st'y stone and frame dwell., tin roof; cost, $4,000; owners, John and Benjamin Griffiths, 673 East One Hundred and Thirty-fifth St.; architect, H. S. Baker, 492 East One Hundred and Thirty-eighth St.

One Hundred and Eighty-second St., n s, 25′ w Audibon Ave., three-st'y brick and frame dwell., tin roof; cost; $3,500; owner, James C. Byrnes, 68 West One Hundred and Sixth St.; architect, James Stroud, 1267 Broadway.

West End Ave., n e cor. Eighty-fifth St., four-st'y brick dwell., mansard, tin and slate roof; cost, $40,000; owner, Richard G. Plait, 90 Lexington Ave.; architect, Clarence True, Eighty-eighth St. and Boulevard.

Crimmins Ave., n e cor. One Hundred and Forty-first St., three-st'y stone and frame dwell., peak shingle roof; cost, $3 600; owner, George J. Garlan, 242 East Eleventh St.; architects, French, Dixon & De Salden, Broadway and Fifty-seventh St.

Amsterdam Ave., e s, 250′ s One Hundred and Seventieth St., three-st'y stone and frame dwell., tin roof; cost, $6,000; owner, Henry Hughes, 243 East Thirty-fourth St.; architects, Kurtzer & Rohl, Third Ave. and Seventh St.

Eightieth and Eighty-first Sts., 125′ w Columbus Ave., 15 four-st'y brick and brownstone dwells.; cost, $300,000; owners, Giblin & Taylor; architect, Geo. H. Bagge.

Sixty-ninth St., s s, 100′ e Columbus Ave., a number of four-st'y brownstone dwells.; owner, John Selfridge.

Somerville, Mass. — *Campbell Park*, near Meacham St., dwell.: owner and builder, James L. Lea.

Walnut St., two dwells.; owner and builder, John J. Sullivan.

Newton St., dwell. and stable; owner, John McDouger; builder, James E. Brown.

Summer St., near Church St.; dwell.; owners and builders, W. L. & H. S. Waugh.

Tufts St., block of dwells. and stable; owner, D. B. Mulcathey; builders, W. L. & H. S. Waugh.

Carleton St., dwell.; owner, George W. Lake; builder, G. W. Ryan.

Prospect Hill Ave., dwell.; owner, Henry Donaghey; builder, I. L. Hoitt.

Medford St., cor. Central St., dwell.; owner, Jerome B. Lock; builders, O. H. Drisko & Son.

Merriam St., dwell.; owners, Hayes & O'Sullivan; builder, Sylvester Woods.

Poplar St., dwell.; owner, Michael Gavin; builder, Sylvester Woods.

Arthur St., dwell.; owner and builder, G. A. Cahill.

Montrose St., near School St., dwell.; owner, John T. Simonds; builder, George E. Ricker.

Pearl St., No. 136, building in rear; owner, Amelia Bell; builder, H. S. Brackett.

Elm St., dwell.; owner, L. M. Carr; builder, J. Miller.

Tennyson St., dwell.; owner, Maria W. Stimpson; builder, J. W. Prevost.

Giles Pl., dwell.; owner and builder, L. Blaikie.

Rodger Ave., two dwells.; owner and builder, J. Miller.

Josephine Ave., dwell.; owner and builder, J. Miller.

Josephine Ave., dwell.; owner, C. M. Miller; builder, J. Miller.

Highland Ave., dwell.; owner, Dr. Codding; builder, A. M. Godfrey.

Miner St., dwell.; owners and builders, S. & C. H. Williams.

Bartlett St., dwell.; owner, J. McGilvy; builders, S. & C. H. Williams.

Central St., dwell.; owner, William H. Shaw; builders, S. & C. H. Williams.

Meacham St., dwell.; owner, Thomas Waters; builder, A. R. Lewis.

Hancock St., dwell. and stable; owner, Mary E. Walker; builder, Charles S. Roach.

Jay St., building; owner, C. J. Simpson; builder, J. B. Phinney.

Somerville Ave., dwell.; owner, Julia Brown; builders, Gillis Bros.

Claremon St., five dwells.; owner and builder, H. Taylor.

Benedict St., cor. Mystic St., dwell.; owner, A. H. Dodge; builder, Orin Abbot.

Highland Ave., cor. Sycamore St., dwell.; owner, Wm. Y. Wadleigh; builder, T. F. Farrington.

Highland Ave., dwell.; owner, Dr. Osgood; builders, Gillis Bros.

Medford St., cor. Lowell St., dwell.; owner, Mrs. J. Downey; builder, Mr. Leroux.

Montrose St., two dwells.; owners and builders, Rutan & Woods.

Gilman St., No. 18, frame dwell., 24′ x 25′; owner, E. R. Wilder; builder, C. H. Andrews.

Dell St., two frame dwells., 21′ x 28′; owner, N. H. Reed; builders, Hudson & Lewis.

Morton St., frame dwell., 20′ x 28′; owner and builder, A. F. Dickson.

Alpine St., cor. Cedar St., frame dwell., 30′ x 40′; owner, Thomas G. Percy; builder, Frank Gould.

Elliot St., bet. Vine and Park Sts., frame dwell., 21′ x 35′; owner, Chas. Moore; builder, Isaac W. McArthur.

Beacon St., cor. Sacramento St., double frame dwell., 38′ x 62′; owner, John Ryan; builder, John McGirr.

Broadway, cor. Arthur St., frame dwell.; owner, Mr. Butler; builder, W. W. Calkin.

Holland St., cor. Jay St., frame dwell., 25′ x 45′; owner, Frank H. Marshall; builder, S. L. Cummings.

Dane St., cor. Washington St., frame dwell., 24′ x 47′; owner, Bernard O'Neil; builder, John McGirr.

Broadway, No. 198, frame dwell., 22′ x 34′; owner, Rachael Connor; builder, James Connor.

Beacon St., near Inman Square, three-st'y frame dwell., flat roof, 45′ x 55′; owner, Patrick Quain; builder, Mr. Clark.

Harrison St., frame dwell., 24′ x 49′; owner, Thos. A. Bent; builder, W. W. Graham.

Harrison St., frame dwell., 24′ x 32′; owner and builder, Chas. S. Roach.

Carver St., off Porter St., frame dwell., 19′ x 27′; owner and builder, G. H. Johnson.

Marion St., cor. Cook St., frame dwell., 22′ x 40′; owner, Homer C. Holt; builder, B. C. Smith.

Miner St., frame dwell., 24′ x 32′; owners, W. Ginn and Nellie A. Emerson, builders, W. Ginn and C. C. Emerson.

St. Louis, Mo. — Two-and-one-half-st'y brick dwell.; cost, $4,000; owner, T. Oberhaus; contractor, H. Erdruegger.

Two-st'y brick dwell.; cost, $2,500; owner, E. Moser; contractor, L. E. Lortz.

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BUILDING INTELLIGENCE.

Two-st'y brick dwell.; cost, $5,500; owner, F. E. Reis; contractor, P. Reichers.

Summit, N. J. — Constable Bros., 218 West Twenty-third St., New York, have plans on the boards for large dwell.

Worcester, Mass. — *Orange St.*, four-st'y brick and stone block; owner, J. F. Donahue; day work.

Shrewsbury St., three-st'y frame dwells; owner and contractor, Homer Cader.

Leicester St., two-and-one-half-st'y frame dwell.; owner and contractor, C. A. King.

Kendall St., two-and-one-half-st'y frame dwell.; owner, L. Cook; contractor, Geo. M. Hubbard; architects, Barker & Nourse.

Lewis St., three-st'y frame dwell.; owner, D. Allwaght; contractor, E. B. Rogers.

Crompton St., three-st'y frame dwell.; owner, W. G. Dugard; contractors, Jenkins Bros.

North Ashland St., three-st'y frame dwell.; owner and contractor, N. Smith.

Milton St., three-st'y frame dwell.; owner and contractor, Dennis Keefe.

Canterberry St., three-st'y frame dwell.; owner, John McCabe; contractor, J. A. McDermott.

OFFICE-BUILDINGS.

Chicago, Ill.—West Chicago Street Railway Co., six-st'y office building and power house, 234-242 Blue Island Ave.; cost, $125,000.

New York, N. Y. — *Lexington Ave.*, s w cor. One Hundred and Sixteenth St., office-building; owner, Consolidated Gas Co.

St. Louis, Mo.— Seven-st'y brick office-building and store; cost, $50,000; owner, H. H. Culver; contractor, Jno. Hill.

PUBLIC BUILDINGS.

Batesville, Ark. — Thomas Harding of Little Rock has prepared plans for a courthouse for Independence County, to cost about $15,000.

New York, N. Y. — *Amsterdam Ave.*, e s, 72′ s One Hundred and Sixty-seventh St., three-st'y brick public hall, peak, tin roof; cost, $15,000; owner, Babette J. Flieg, 2163 Amsterdam Ave.; architect, Fred S. Schleuinger, Amsterdam Ave. and One Hundred and Sixty-eighth St.

One Hundred and Eighteenth St., s w cor. Third Ave., three-st'y brick public meeting place, tin roof; cost, $15,000; owner, Frances Hein, 56 East Seventy-ninth St.; architect, Louis Korn, 261 Broadway.

Richmond, Va. — Wm. M. Poindexter of Washington, D. C., has been selected to prepare plans for the Library Building, in accordance with an act of the Legislature, to cost about $200,000.

SCHOOL-HOUSES.

Atlanta, Ga.—G. L. Norrman has prepared plans for a school building to cost $21,315; contractor, J. H. Matthews.

Baltimore, Md. — $25,000 has been appropriated by the city authorities for a school building at Clifton.

Boston, Mass. — *Trinity Pl.*, near St. James Ave., Ward 11, five-st'y brick school building, flat roof, 58′ x 66.8′; owner, Mass. Institute of Technology; builders, Connery & Wentworth.

Chicago, Ill.—Board of Education, three-st'y schoolhouse, Deering St., n e cor. Thirty-first St.; cost, $70,000.

Fort Worth, Texas. — The city council has appropriated $15,500 for a school building.

New York, N. Y. — *One Hundred and Twelfth St., Nos.* 229-231, five-st'y brick school building, mansard, tin and tile roof; cost, $25,000; owner, Rev. Bonaventure Frey, 227 East One Hundred and Twelfth St.; architects, Wm. Schickel & Co., 246 Fifth Ave.

STABLES.

Baltimore, Md. — Baxter & Evans will build three-st'y brick stable, w s Mason Alley, bet. Hoffman and Dolphin Sts.

Boston, Mass.—*Lauriat Ave., rear*, near Norfolk St., Ward 24, one-st'y frame stable, 20′ x 25′; owner, Llewellyn Trohock.

Chicago, Ill. — The Fair, three-st'y barn, 1409-1411 State St.; cost, $18,000.

New York, N. Y. — *Eighty-ninth St.*, n s, 80′ e Amsterdam Ave., four-st'y brick and stone stable, owner, W. E. W. Bedell; mason builder, Richard Deeves.

STORES.

Boston, Mass. — *Neponset Ave.*, near Blackwell St., Ward 24, one-st'y frame store, flat roof, 25′ x 35′; owner, H. B. Blackwell; builders, J. A. Vickery & Son.

Brooklyn, N. Y. — *Hamburg Ave.*, n e cor. Greene Ave., 4 three-st'y frame stores and dwells., tin roofs; cost, $18,000; owner and builder, Otto Singer, Greene Ave.; architects, D. Acker & Son, 752 Broadway.

Scholes St., s s, 25′ w Waterbury St., three-st'y frame store and dwell., tin roof; cost, $3,800; owner and builder, Chas. Schaefer, 273 Meserole St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Third Ave., w s, 75′ s Forty-seventh St., two-st'y britk store and dwell., tin roof; cost, $3,500; owner, Nonziato Vuano, 1148 Third Ave.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Scholes St., s w cor. Waterbury St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner and builder, Chas. Schaefer, 273 Meserole St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Meserole St., n w cor. Waterbury St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner and builder, Chas. Schaefer, 273 Meserole St.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

Hamburgh Ave., n e cor. Woodbine St., three-st'y frame store and dwell., tin roof; cost, $4,000; owners, architects and builders, Cozine & Gascoine, 585 Evergreen Ave.

Stone Ave., e s, 50′ n Sutter Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $6,000 each; owner, J. Alexrod, Thatford Ave.

Atlantic Ave., s s, 85′ e Schenectady Ave., 2 four-st'y frame stores and dwells., tar and gravel or tin roofs; cost, $6,000 each; owner, architect and builder, R. F. Clayton, 457 McDonough St.

Broadway, e s, 43′ s Fairfax St., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, J. H. Still, 791 Quincy St.; architect, Orman W. Ketcham, 84 Ralph Ave.

Colyer St., n w cor. Franklin St., four-st'y frame store and dwell., felt and gravel roof; cost, $6,800; owner and builder, John J. Cashman, 110 Milton St.; architect, A. Van Dien, 127 Nassau Ave.

Nassau Ave., n e cor. Sutton St., and *Nassau Ave.*, n w cor. Morgan Ave., 2 three-st'y frame stores and dwells., gravel roofs; cost, $7,500; owner, P. C. Grenning, 420 Gates Ave.; architect, F. W. Weber.

Nassau Ave., n s, 86′ w Morgan Ave., three-st'y frame store and dwell., gravel roof; cost, $6,500; owner, P. C. Grenning, 420 Gates Hve.; architect, F. W. Weber.

Humboldt St., w s, 50′ s Richardson St., 2 three-st'y frame stores and dwells., tin roofs; cost, $9,000; owner, H. Schmidt, 473 Humboldt St.; architect, H. Vollweiler, 483 Hart St.

Hicks St., w s, 20′ s President St., four-st'y brick store and dwell., tin roof; cost, $12,000; owner, Michael E. Butler, 121 Rafelege St.; architect, Stephen Hazzard, 175 Pacific St.

Hicks St., s w cor. President St., four-st'y brick store and dwell., tin roof; cost, $10,000; owner, Michael E. Butler, 121 Rafelege St.; architect, Stephen Hazzard, 175 Pacific St.

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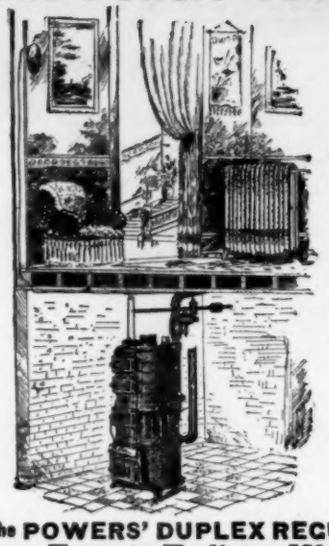

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BUILDING INTELLIGENCE.

Bedford Ave., s w cor. South Fourth St., 2 five-st'y brick stores and dwells., tin roofs; total cost, $25,000; owners, Rosenthal Bros., 55 Canal St., New Orleans, La.; architect, Benj. Finkensiefer, 93 Broadway.

Columbia Pl., e s, 70′ n Atlantic St., five-st'y brick store and dwell., tin roof; cost, $9,000; owner, Mary E. Lynch, 236 St. John's Pl.

Harmon Ave., w s, 245′ from Irving Ave., four-st'y frame store and dwell., tin roof; cost, $6,000; owner and architect, J. H. F. Kayser, 317 Dixwell Ave., New Haven, Conn.

Moore St., n s, 84′ w Bogart St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, Ferdinand Hoech, Bogart and Zeigel Sts.; architect, Th. Engelhardt, 905 Broadway.

Classon Ave., n w cor. Douglass St., four-st'y brick store and dwell., tin roof; cost, $10,000; owner, Thos. Monohan, 633 Douglass St.; architect, F. B. Langston, 1239 Bedford Ave.

Knickerbocker Ave., w s, 23′ n Starr St., three-st'y frame store and dwell., tin roof; cost, $5,000; owner and builder, J. G. Schoemack; architects, D. Acker & Son, 752 Broadway.

Moore St., s s, 125′ e Leonard St., five-st'y brick store and dwell., tin roof; cost, $10,000; owner and builder, Israel Feldman, 16 Moore St.; architect, Hugo Smith, 27 Moore St.

Morgan Ave., e s, 25′ n Thomas St., 3 three-st'y frame stores and dwells., tin roofs; cost, $4,000 each; owner, C. Steininger, 13 Grattan St.

Cincinnati, O. — John Hauck, three-st'y brick and stone store and flats, Elder St.; cost, $5,500; architect, J. J. Reuckert.

A. A. Chatfield, three-st'y brick and stone store, Eighth St.; cost, $5,500; architect, G. W. Drach.

Theo. Samson, three-st'y brick and stone store and dwell., Vine St.; cost, $6,000; architect, Wm. Milles, Jr.

Grand Rapids, Mich. — *Crescent Ave.*, three-st'y brick and stone store and tenement; cost, $11,350; owner, Miss Frances Pierce; builders, Rowson Bro.; architects, A. W. Rush & Son.

Bridge St., cor. Kent St., three-st'y brick and stone store and tenement; cost, $17,000; owner, Gottlieb Waltz; builders, Wm. Koepke and Jos. Nordella; architect, W. G. Robinson.

New York, N. Y. — *One Hundred and Twenty-fifth St.*, n e cor. Third Ave., two-st'y brick store, tin roof; cost, $15,000; owner, Jacob Smith, 128 East One Hundred and Twenty-seventh St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

One Hundred and Second St., n s, and *One Hundred and Third St.*, s s, 100′ e First Ave., 2 two-st'y brick stores, gravel roof; cost, $30,000; owner, Harlem Market Co., 2030 Second Ave.; architects, Graul & Frohme, 215 Bowery.

West Fourth St., No. 10, six-st'y brick store, tin roof; cost, $35,000; owner, Frank A. Leitz, 33 West One Hundred and Twenty-seventh St.; architects, Cleverdon & Putzell, 13 Astor Pl.

Eighth Ave., No. 414, five-st'y brick store, tar or

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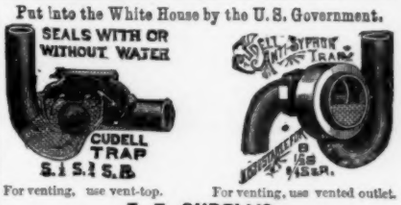

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BUILDING INTELLIGENCE.

gravel roof; cost, $8,000; owner, Estate of James K. Pell, 119 East Thirty-sixth St.; architects, Thayer & Robinson, 67 Liberty St.

Delancey St., No. 332, one-st'y brick store, tin roof; cost, $3,500; owner, William Devermann, 365 Marcy Ave., Brooklyn; architect, Herman Horenberger, 99 East Third St.

Somerville, Mass. — *Grove St.*, frame building, flat roof, 18' x 50'; for store, office and storage; owner and builder, Frank P. Ladd.

St. Louis, Mo. — Two-st'y brick store and dwell.; cost, $10,000; owner, C. Hanneker; contractors, Cong and Mackey.

TENEMENT-HOUSES.

New York, N. Y.—*Delancy St., No.* 43, five-st'y brick tenement, tin roof; cost, $14,000; owner, Harry Fischel, 16 Jefferson St.; architect, Herman Horenberger, 99 East Third St.

WAREHOUSES.

Chicago, Ill. — Fred Krause, six-st'y warehouse, 44-50 Jefferson St.; cost, $30,000.

MISCELLANEOUS.

Baltimore, Md.—Four-st'y building, cor. Park Ave. and Fayette St., for the Border State Savings Bank; cost, abt. $35,000; architect, Henry Brauns.

Baldwin & Pennington are preparing plans for a building for the Hopkins Place Savings Bank, e s Hopkins Place, bet. Baltimore and German Sts.

Boston, Mass.—*Waltham St., Nos.* 12-16, and *Adams Pl.*, Ward 17, four-st'y brick mechanical building, flat roof, 51.4' front, 106.8' rear, and 37' depth; owner, M. H. Gulesin; builder, C. A. Doyle.

Brooklyn, N. Y. — *Sixth St.*, n s, Basin Gowanus Canal, 298' w Second Ave., one-st'y frame sulphur refinery, felt and gravel roof; cost, $3,000; owners, Beggs & Still, on premises; architect, D. E. Harris.

Forty-third St., n s, 200' e First Ave., one-st'y brick brass foundry, slate roof; cost, $7,500; owner and builder, National Meter Co., 252 Broadway, New York City; architect, John H. Norris, 430 Kent Ave.

Norfolk St., No. 30, six-st'y brick light manufacturing building, tin roof; cost, $7,500; owner, Jos. Friedman, 30 Norfolk St.; architect, Herman Horenburger, 99 East Third St.

Detroit, Mich. — E. O. Scripps, brick manufactory, 144-150 Congress St., w; cost, $10,000.

New York, N. Y. — *Eighty-sixth St., Nos.* 144-146, three-st'y brick club-house, peak, tin roof; cost, $40,000; owner, "Ashenbrodel Verin," of the City of New York, 74 East Fourth St.; architect, George H. Griebel, 247 West One-Hundred and Twenty-fifth St.

COMPETITION.

MONUMENT TO ROBERT BURNS.
[At Chicago, Ill.]

CHICAGO, ILL., April 8, 1892.

The Burns Memorial and Monument Association of Chicago invite designs for a monument to Robert Burns, to be erected in one of the public parks. Cost of entire monument not to exceed $12,000.

The committee suggests a figure of heroic size, the monument to have space suitable for panels (to be added subsequently). A premium of $200 to be awarded to the party whose design is accepted, and $100 to the party with design next of merit. Designs to be sent in not later than June 1, 1892, to Wm. Gardner, Chairman of Committee on Design, at 145 East Kinzie St., Chicago, Ill. 855

PROPOSALS.

GAS AND ELECTRIC-LIGHT FIXTURES.
[At Omaha, Neb.

OMAHA, NEB., April 21, 1892.

Sealed bids, marked "Bid for Combined Gas and Electric-light Fixtures for the New City-hall, Omaha, Neb.," will be received at this office **up to 4** P. M., **May 17, 1892.**

Each bidder to furnish his own plans and specifications, the entire cost not to exceed $12,000 for furnishing and placing these fixtures; a certified check of $1,000 to accompany each bid.

The right is reserved to reject any or all bids.

THEO. OLSEN,
854 Comptroller.

April 25, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 18th day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the gangway, wharf and building thereon at the United States Quarantine Station, Black Beard Island, Sapelo Sound, Georgia, in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Surgeon in charge. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids or to waive any defect or informality in any bid if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Gangway, Wharf and Building thereon at the United States Quarantine Station, Black Beard Island, Sapelo Sound, Ga.," and addressed to W. J. EDBROOKE, Supervising Architect. 854

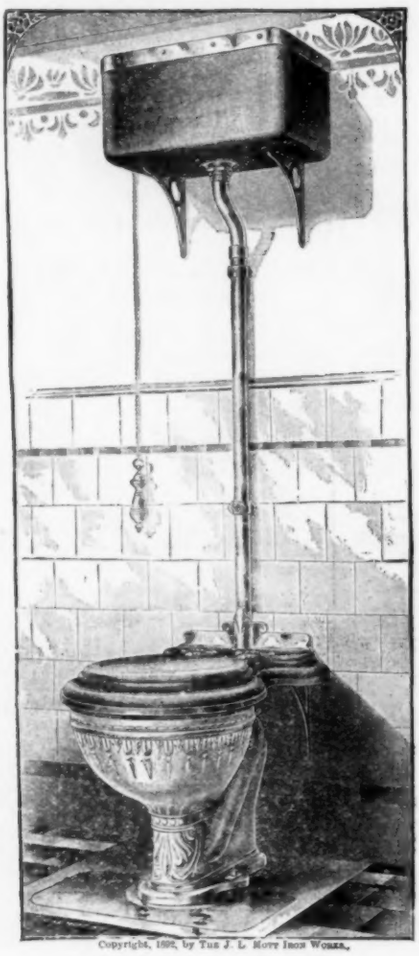
April 22, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 16th day of May, 1892, and opened immediately thereafter, for all the labor and materials and fixing in place complete, the alterations and addition to the heating and hoisting apparatus, new boiler-house, etc., for the United States Public Stores Building No. 1, at Baltimore, Md., in accordance with the drawing and specification, copies of which may be had at this office or the office of the Custodian at Baltimore, Md. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Alterations and Addition, new Boiler-house, etc., for the United States Public Stores Building No. 1, Baltimore, Md.," and addressed to W. J. EDBROOKE, Supervising Architect. 854

April 14, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until two o'clock P. M. on the 10th day of May, 1892, and opened immediately thereafter, for all the labor and materials required to put in place complete the iron columns, steel and iron floor, ceiling and roof construction, skylight roof, etc., complete for the United States Court-house, Post-office building at Detroit, Mich., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Detroit, Mich. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any and all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Iron Columns, Steel and Iron Floor, Ceiling and Roof Construction, etc., for the United States Court-house, Post-office building at Detroit, Mich.," and addressed to W. J. EDBROOKE, Supervising Architect. 853

April 13, 1892. Sealed proposals will be received at the office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 13th day of May, 1892, and opened immediately thereafter, for all the materials and labor required for the decorative and other painting for the United States Court-house and Post-office building at Denver, Colo., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Denver, Colo. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is hereby reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Interior Decorative and other Painting for the United States Court-house and Post-office building at Denver, Colo.," and addressed to W. J. EDBROOKE, Supervising Architect. 853

The J. L. Mott Iron Works,

NEW YORK AND CHICAGO.



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MOTT'S

Patent Direct-Action Siphon-Jet Water-Closet,

THE PRIMO.

The Primo is a first-class imported Siphon-Jet Water-Closet, warranted not to craze or discolor. The Bowl contains a large body of water, and there are no mechanical parts liable to get out of order. When the pull is drawn down the Siphon is started, and contents of Bowl are quickly and almost noiselessly ejected. A feature of the Primo is the great depth of water seal in the Bowl, which affords an effectual barrier against sewer gas.

Illustrated Price-list mailed on application.

Monthly Classified Index

Of all Building Materials.

[*See Alphabetical Index on page IX for Pagination.*]

Aluminum-Alloy Metal.
ALUMINUM-ALLOY METAL CO., New York, N. Y.

Annunciators.
OSTRANDER, W. R. & CO., 185 Fulton Street, New York, N. Y.

Architects' Materials.
FROST & ADAMS, 37 Cornhill, Boston, Mass.

Architectural Terra-cotta.
N. Y. ARCHITECTURAL TERRA-COTTA CO., 38 Park Row, New York, N. Y.
PERTH AMBOY TERRA-COTTA CO., 160 Broadway, New York, N. Y.

Artesian Wells.
H. S. COATES & CO., 79 Milk Street, Boston, Mass.

Art Metal-work.
WILLIAMS, JOHN, 544 to 556 West 27th Street, New York, N. Y.

Artificial Limbs.
A. A. MARKS, New York, N. Y.

Artificial Stone.
WEHN PAVEMENT CO., 16 Exchange Place, New York, N. Y.
WOOTTON, E. H., 35 Broadway, New York, N. Y.

Asbestos.
ASBESTOS PACKING CO. (THE), Miners and Manufacturers, 169 Congress Street, Boston, Mass.

Asbestos Boiler and Pipe Covering.
ASBESTOS PACKING CO. (THE), 169 Congress Street, Boston, Mass.

Asbestos Boiler and Pipe Covering (The Magnesia.)
S. C. NIGHTINGALE & CHILDS, 134 Pearl Street, Boston, Mass.

Asbestos Felt and Boiler Coverings.
H. W. JOHNS MFG. CO., 87 Maiden Lane, New York, N. Y.

Asbestos Felts.
WATSON CO, H. F., Erie, Pa.

Asbestos Paint.
H. W. JOHNS MFG. CO., 87 Maiden Lane, New York, N. Y.

Asphalt.
NEUCHATEL ASPHALTE CO., 265 Broadway, New York, N. Y.
WOOTTON, E. H., 35 Broadway, New York, N. Y.

Asphalt Roofing.
WARREN CHEMICAL AND MFG. CO., 81 Fulton Street, New York, N. Y.

Basin-Cocks.
STEBBINS MFG. CO., Brightwood, Mass.

Bath-tubs.
J. L. MOTT IRON WORKS, 84 Beekman Street, New York, N. Y.

Beams for Fireproof Building.
PASSAIC ROLLING-MILL CO., Paterson, N. J.

Bell Founders.
BLAKE BELL CO., Allen and Brighton Sts., Boston, Mass.

Blinds, Sliding and Folding.
WILLER MFG. CO., Fourth and Cedar Streets, Milwaukee, Wis.

Blowers.
HUYETT SMITH MFG. CO., Detroit, Mich.

Blue Print.
PHILADELPHIA BLUE PRINT CO., 910 Filbert Street, Philadelphia, Pa.
SPAULDING & MOSS, 53 State Street, Boston, Mass.

Boilers.
BABCOCK & WILCOX CO., 30 Cortland Street, New York, N. Y.
CAMPBELL & ZELL CO., Essex and Burke Streets, Baltimore, Md.
GORTON & LIDGERWOOD CO., 96 Liberty Street, New York, N. Y.
HARRISBURG BOILER & MFG. CO., Harrisburg, Pa.

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ASBESTOS PACKING CO. (THE), 169 Congress Street, Boston, Mass.
S. C. NIGHTINGALE & CHILDS, 134 Pearl Street, Boston, Mass.

Books and Journals.
BABCOCK & WILCOX CO., 30 Cortland Street, New York, N. Y.
BRENTANO, 206 Wabash Avenue, Chicago, Ill.
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E. & F. N. SPON, 12 Cortlandt Street, New York, N. Y.
TICKNOR & CO., 211 Tremont Street, Boston, Mass.
C. L. WEBSTER & CO., 3 East 14th Street, New York, N. Y.

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BLAKE BELL CO., Allen and Brighton Streets, Boston, Mass.

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WILLIAMS, JOHN, 544 to 556 West 27th Street, New York, N. Y.

Brass and Copper Rolling-Mills.
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Brass Door-Rail.
RANDOLPH & CLOWES, Waterbury, Conn.

Brass-Finishing.
BLAKE BELL CO., Allen and Brighton Streets, Boston, Mass.

Brass Goods.
SHANNON, J. B. & SONS, 1020 Market Street, Philadelphia, Pa.

Brass Tubes, Seamless and Brazed.
RANDOLPH & CLOWES, Waterbury, Conn.

Brass Wire Cloth.
NEW JERSEY WIRE CLOTH CO Trenton, N. J.

Brazed Brass Tubes.
RANDOLPH & CLOWES, Waterbury, Conn.

Bricks.
HYDRAULIC-PRESS BRICK CO., St. Louis, Mo.

Brick Machine.
THE FREY-SHECKLER CO., Bucyrus, O.

Brick (Ornamental).
FLEMING CEMENT & BRICK CO., 23 Liberty Street, New York, N. Y.
PEERLESS BRICK CO., Philadelphia, Pa.
WALDO BROS., 88 Water Street, Boston, Mass.

Bridges.
PASSAIC ROLLING-MILL CO., Paterson, N. J.

Bridge & House Railings.
BELMONT IRON WORKS, L'T'D., 2426 Washington Ave., Philadelphia, Pa.

Bronze Tablets.
BLAKE BELL CO., Allen and Brighton Streets, Boston, Mass.
J. & R. LAMB, 59 Carmine Street, New York, N. Y.

Bronze-work.
BUREAU BROS., S. W. Cor. 21st and Allegheny Ave., Philadelphia, Pa.
M. J. POWER, 218 East 25th Street, New York, N. Y.

Brown & Bros. Pat. Seamless Drawn Copper Kitchen-Range Boilers.
RANDOLPH & CLOWES, Waterbury, Conn.

Brown Brick.
HYDRAULIC-PRESS BRICK CO., St. Louis, Mo.

Buff Brick.
HYDRAULIC-PRESS BRICK CO., St. Louis, Mo.

Building Felt.
ASBESTOS PACKING CO. (THE), 169 Congress Street, Boston, Mass.

Building Felt (Fire and Waterproof).
H. W. JOHNS MFG. CO., 87 Maiden Lane, New York, N. Y.

Building Material.
N. Y. ARCHITECTURAL TERRA-COTTA CO., 38 Park Row, New York, N. Y.

Building Papers.
WATSON CO, H. F., Erie, Pa.

Butts, "Jewett" Spring.
SMITH & EGGE MFG. CO., Bridgeport, Conn.

Carpets.
JOHN H. PRAY, SONS & CO., 646-658 Washington Street, Boston, Mass.

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KINNEAR & GAGER CO., 240-50 North Fourth Street, Columbus, O.
PALMER MANUFACTURING CO., 66 Water Street, Brooklyn, N. Y.

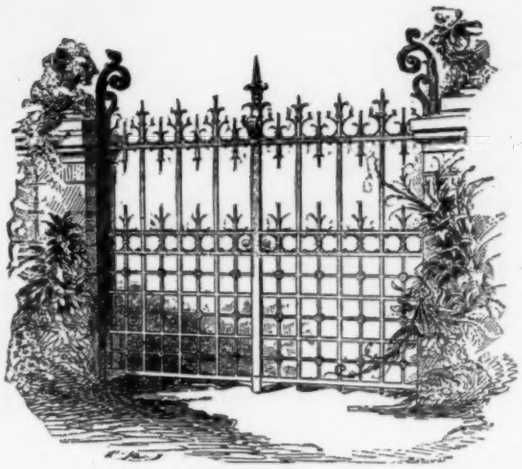
Cellar Drainer.
CLARENCE M. KEMP, Baltimore, Md.

Cement.
ALSEN'S CEMENT WORKS, 16 Exchange Place, New York, N. Y.
BAETJER & MEYERSTEIN, 5 Dey Street, New York, N. Y.
BROOKS, SHOOBRIDGE & CO., 7 Bowling Green, New York, N. Y.
DICKINSON BROS. & KING, 21 State Street, New York, N. Y.

SOME OF THE SPECIALTIES OF THE

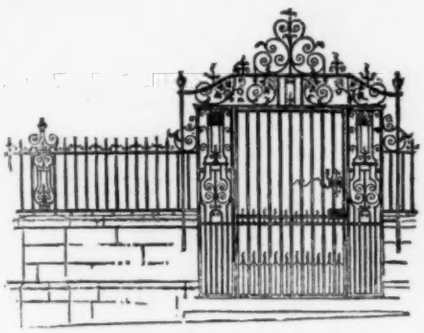
COMPOSITE IRON WORKS, 83 READE STREET, NEW YORK.

WILLIAM R. PITT, - - PROPRIETOR.



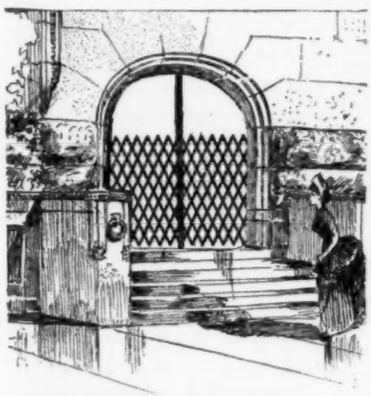
No. 172. WROUGHT IRON GATES.

Prices given on all kinds of Artistic Wrought Iron Work.



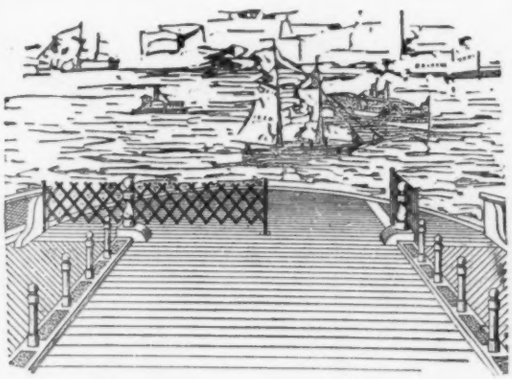
No. 170. FINE WROUGHT IRON GATES AND RAILINGS.

Original designs furnished.



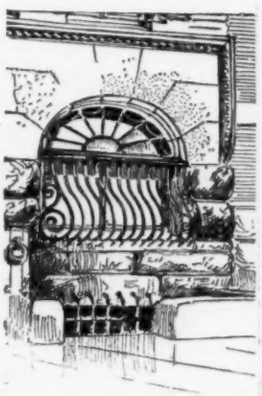
No. 48. FOLDING GATE.

Very convenient for closing archways to private residences; can be folded out of sight in the daytime, and can be opened and closed easily.



No. 54. SECURITY GATES FOR FERRY BOATS.

One-half of the Gate is shown extended the other half is folded and turned to the side of the gate post, leaving both the driveway and the passengerway unobstructed. One movement of the gate opens or closes both passenger and driveway simultaneously. **These Gates were furnished by me to the Union Ferry Co., of Brooklyn,** and are used on the boats of the Pennsylvania Railroad; the Central Railroad of New Jersey; the New York, Lake Erie and Western Railroad; the West Shore Railroad; the Staten Island Rapid Transit Railroad; the Greenpoint Ferry Co.; the Brooklyn Annex Co., and others.

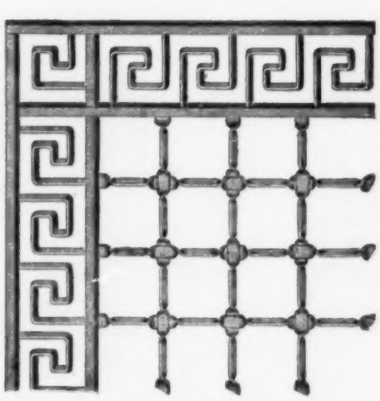


No. 160. FINE WROUGHT IRON WINDOW GUARDS.

Original designs furnished.

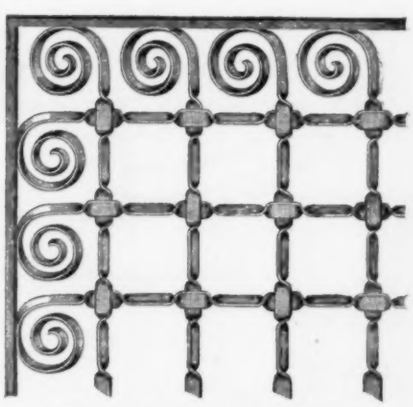
No. 150. ORNAMENTAL GRILLE.

For Elevator Enclosure, Office Railing or Window Guard.



No. 153. ORNAMENTAL GRILLE.

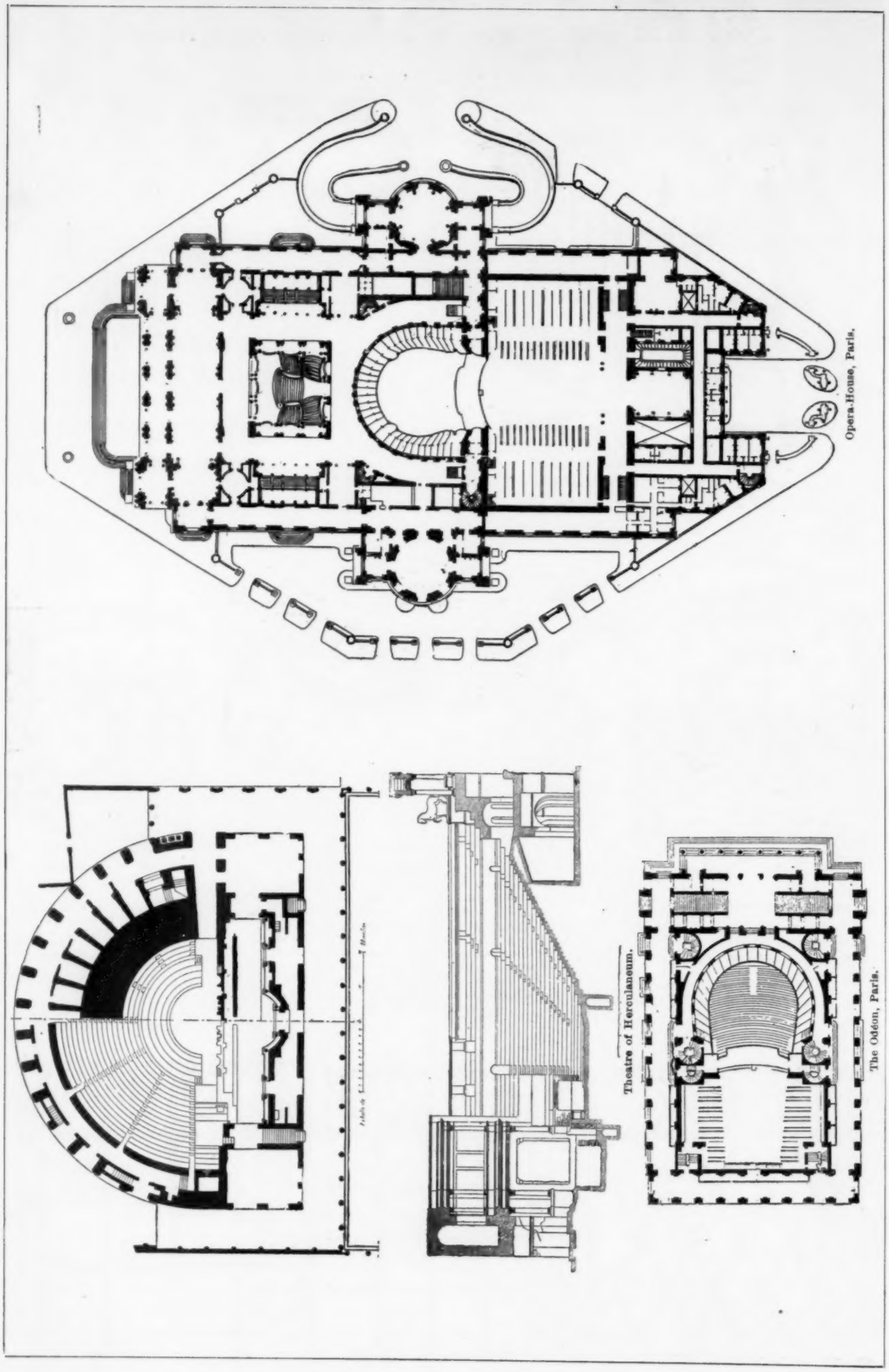
Suitable for Bank and Office Railings, Gates and Window Guards. Made in Bronze, Brass and Iron.



No. 151. ORNAMENTAL GRILLE.

These can be supplied in Iron, Brass or Bronze, and made into Railings, Gates, Window Guards or Elevator Inclosures.

SEND TO US FOR ESTIMATES FOR ALL KINDS OF IRON WORK FOR BUILDINGS.



THEATRE PLANS.

Cement.
FISHER, E. W.,
18 Broadway, New York, N. Y.
FLEMING CEMENT & BRICK CO.,
23 Liberty Street, New York, N. Y.
JOHNSON & WILSON,
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KING, J. B. & CO.,
24 State Street, New York, N. Y.
THIELE, E.,
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NORTON, F. O.,
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Centrifugal Wringers.
OAKLEY & KEATING,
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SMITH & EGGE MFG. CO.,
Bridgeport, Conn.

Chains, Plumbers'.
SMITH & EGGE MFG. CO.,
Bridgeport, Conn.

Chair-Seating.
HARWOOD MFG. CO.,
91 Summer Street, Boston, Mass.

Chimney Tops.
HANSEN, H. M.,
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N. Y. ARCHITECTURAL TERRA-COTTA CO.,
38 Park Row, New York, N. Y.

Chrome Steel.
CHROME STEEL WORKS,
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Clay Shingles.
CLAY SHINGLE CO.,
Indianapolis, Ind.

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HYDRAULIC-PRESS BRICK CO.,
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JAMES MILLER & BROTHER,
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Conductors (Water).
LAMB & RITCHIE,
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OBDYKE, W. AUSTIN & CO.,
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SOLDERLESS, STANDING-SEAM CONDUCTOR CO.,
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LORD & BURNHAM CO.,
Irvington-on-Hudson, N. Y.
PLENTY, JOSEPHUS,
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FLYNT BUILDING AND CONSTRUCTION CO.,
Palmer, Mass.

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N. Y. ARCHITECTURAL TERRA-COTTA CO.,
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Coppersmiths and Cornice-Makers.
JAMES MILLER & BROTHER,
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VAN NOORDEN & CO., E.,
383 Harrison Avenue, Boston, Mass.

Copper Weather Vanes.
A. B. & W. T. WESTERVELT,
102 Chambers Street, New York, N. Y.

Copper Wire Cloth.
NEW JERSEY WIRE CLOTH CO.,
Trenton, N. J.

Cordage.
SAMSON CORDAGE WORKS,
115 Congress Street, Boston, Mass.

Cornice Copper.
RANDOLPH & CLOWES,
Waterbury, Conn.

Cornices (Galvanized-Iron).
JAMES MILLER & BROTHER,
129-31 So. Clinton Street, Chicago, Ill.
MESKER & BRO.,
421 South 6th Street, St. Louis, Mo.

Corrugated Conductor Pipe.
JAMES MILLER & BROTHER,
129-31 So. Clinton Street, Chicago, Ill.

Corrugated Iron.
VAN NOORDEN & CO., E.,
383 Harrison Avenue, Boston, Mass.

Corrugated Iron Roofing.
JAMES MILLER & BROTHER,
129-31 So. Clinton Street, Chicago, Ill.

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H. W. JOHNS MFG. CO.,
87 Maiden Lane, New York, N. Y.
19 Pearl Street, Boston, Mass.

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CABOT, SAMUEL,
78 Kilby Street, Boston, Mass.

Cresting and Finials.
N. Y. ARCHITECTURAL TERRA-COTTA CO.,
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Damp Course.
WOOTTON, E. H.,
35 Broadway, New York, N. Y.

Decoration.
ARMSTRONG & CO., MAITLAND,
61 Washington Square, New York, N. Y.
J. & R. LAMB,
59 Carmine Street, New York, N. Y.

Decorators.
HABERSTROH, L. & SON,
9 Park Street, Boston, Mass.
MacDONALD, DONALD,
400 Northampton Street, Boston, Mass.
McPHERSON, W. J.,
44 Boylston Street, Boston, Mass.

Door-Knobs.
BARDSLEY, J.,
59 Elm Street, New York, N. Y.

Door Hanger.
LANE BROTHERS,
Poughkeepsie, N. Y.

Double-Grooved Sash-Pulleys.
SMITH & EGGE MFG. CO.,
Bridgeport, Conn.

Draughtsmen's Exchange.
PARRY, R. W.,
31 South 15th St., Philadelphia, Pa.

Dry-Kilns.
HUYETT & SMITH MFG. CO.,
Detroit, Mich.

Drying-Rooms.
OAKLEY & KEATING,
40 Cortlandt Street, New York, N. Y.

Dry Plates.
JOHN CARBUTT,
Philadelphia, Pa.

Electric-Light Reflectors.
FRINK, I. P.,
551 Pearl Street, New York, N. Y.

Elevators.
CRANE ELEVATOR CO.,
219 South Jefferson St., Chicago, Ill.
GRAVES ELEVATOR CO.,
Rochester, N. Y.
VOLNEY W. MASON & CO.,
Providence, R. I.
MOORE & WYMAN,
Granite and Richard Streets,
South Boston, Mass.
MORSE, WILLIAMS & CO.,
1105 Frankford Ave., Philadelphia, Pa.
OTIS BROTHERS & CO.,
New York, N. Y.
WHITTIER MACHINE CO.,
1176 Tremont Street, Boston, Mass.

Elevator Floor Indicator.
ELEVATOR SUPPLY & REPAIR CO.,
115 Monroe Street, Chicago, Ill.

Engines (Caloric Pumping.)
DELAMATER IRON WORKS,
21 Cortlandt Street, New York, N. Y.
RIDER ENGINE CO.,
37 Dey Street, New York, N. Y.

Engines (Gas).
"OTTO" GAS-ENGINE WORKS,
33d and Walnut Sts., Philadelphia, Pa.

Engines (Vertical).
HUYETT & SMITH MFG. CO.,
Detroit, Mich.

Exhaust-Fans.
HUYETT & SMITH MFG. CO.,
Detroit, Mich.

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MASSACHUSETTS CHARITABLE MECHANIC ASSOCIATION,
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Expanding Conductors.
JAMES MILLER & BROTHER,
129-31 So. Clinton Street, Chicago, Ill.

Fans (Ventilating).
HUYETT & SMITH MFG. CO.,
Detroit, Mich.

Fencing (Farm and Lawn),
NEW JERSEY WIRE CLOTH CO.,
Trenton, N. J.

Fire-Brick.
PERTH AMBOY TERRA-COTTA CO.,
Perth Amboy, N. J.

Fire-Escapes (Iron).
JAMES FLYNN,
76 Sudbury Street, Boston, Mass.

Fireproof Building.
LORILLARD BRICK WORKS CO.,
92-94 Liberty Street, New York, N. Y.
MAURER & SON, HENRY,
420 East 23d Street, New York, N. Y.
NEW JERSEY WIRE CLOTH CO.,
Trenton, N. J.
PIONEER FIREPROOF CONSTRUCTION CO.,
1545 Clark Street, Chicago, Ill.
RARITAN HOLLOW AND POROUS BRICK CO.,
874 Broadway, New York, N. Y.
SCHILLINGER, J. J.,
420 East 92d Street, New York, N. Y.

Fireproof Construction.
GUASTAVINO FIREPROOF CONSTRUCTION CO.,
57th Street and North River,
New York, N. Y.

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WILKES-BARRE LACE MFG. CO.,
Wilkes-Barre, Pa.

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HAYES, GEORGE,
71 Eighth Avenue, New York, N. Y.
NEW JERSEY WIRE CLOTH CO.,
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Fireproof Magnesia.
S. C. NIGHTINGALE & CHILDS,
134 Pearl Street, Boston, Mass.

Fireproof Partition Blocks.
MOORE & JACKSON,
73 Sudbury St. and 166 Devonshire St.,
Boston, Mass.

Fireproofing Materials.
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169 Congress Street, Boston, Mass.

Floors (Hardwood).
THE INTERIOR HARDWOOD CO.,
Indianapolis, Ind.
WOOD MOSAIC CO.,
25 Hibbard Street, Rochester, N. Y.

Floors (Inlaid).
NATIONAL WOOD MFG. CO.,
129 Fifth Avenue, New York, N. Y.

Folding-Blinds.
WILLER MANUFACTURING CO.,
Fourth and Cedar Streets,
Milwaukee, Wis.

Force-Pump.
WM. POWELL & CO.,
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HABERSTROH, L. & SON,
9 Park Street, Boston, Mass.

Front Brick.
PERTH AMBOY TERRA-COTTA CO.,
160 Broadway, New York, N. Y.

Front Pressed-Brick.
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Furnaces.
MAGEE FURNACE CO.,
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JAMES MILLER & BROTHER,
129-31 So. Clinton Street, Chicago, Ill.
VAN NOORDEN & CO., E.,
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Gas-Fixtures.
FRINK, I. P.,
551 Pearl Street, New York, N. Y.

Gas-Machines.
TIRRILL GAS-MACHINE CO.,
39 Dey Street, New York, N. Y.

Gates.
PITT, WM. R.,
83 Reade Street, New York, N. Y.

Glass Roofing.
JAMES MILLER & BROTHER,
129-31 So. Clinton Street, Chicago, Ill.
PLENTY, JOSEPHUS,
145 Liberty Street, New York, N. Y.

Glass (Stained and Ornamental).
CROWNINSHIELD, F.,
42 West 18th Street, New York, N. Y.
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318 East 48th Street, New York, N. Y.
GROVES & STEIL, R. S.,
617 South Broad St., Philadelphia, Pa.
McCULLY & MILES,
14 Monroe Street, Chicago, Ill.
MacDONALD, DONALD,
400 Northampton St., Boston, Mass.
McPHERSON, W. J.,
44 Boylston Street, Boston, Mass.
MATTHEWS DECORATIVE GLASS CO.,
328 East 26th St., New York, N. Y.
TIFFANY GLASS & DECORATING CO.,
335 Fourth Avenue, New York, N. Y.

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HYDRAULIC-PRESS BRICK CO.,
St. Louis, Mo.

Grates, etc.
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28 West 23d Street, New York, N. Y.
EDWIN A. JACKSON & BROS.,
50 Beekman Street, New York, N. Y.
JACKSON & CO., WM. H.,
Union Square, New York, N. Y.

Gray Brick.
HYDRAULIC-PRESS BRICK CO.,
St. Louis, Mo.

Haberstroh Process.
HABERSTROH, L. & SON,
9 Park Street, Boston, Mass.

Hard Oil Finish.
BERRY BROTHERS,
Detroit, Mich.

Hardware.
BURDITT & WILLIAMS,
20 Dock Square, Boston, Mass.
NEWMAN, A. G.,
1180 Broadway, New York, N. Y.

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YALE & TOWNE MFG. CO.,
Stamford, Conn.

Harness-Bracket.
READ, J. J.,
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Heating and Ventilating.
SMEAD WARMING AND VENTILATING CO.,
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SMITH & ANTHONY STOVE CO.,
48 Union Street, Boston, Mass.

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HUYETT & SMITH MFG. CO.,
Detroit, Mich.

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J. F. PEASE FURNACE CO.,
Syracuse, N. Y.

Heating Apparatus (Steam).
DETROIT HEATING AND LIGHTING CO.,
355 Wight Street, Detroit, Mich.
NEW YORK CENTRAL IRON WORKS CO.,
Geneva, N. Y.
PAGE STEAM-HEATING CO.,
Norwich, Conn.
PIERCE, BUTLER & PIERCE MFG. CO.,
Syracuse, N. Y.
H. B. SMITH CO.,
137 Center Street, New York, N. Y.

Heliotype Process.
HELIOTYPE PRINTING CO.,
211 Tremont Street, Boston, Mass.

Hinges.
ROBINSON, M. W.,
79 Chambers Street, New York, N. Y.

Hinges (Spring).
VAN WAGONER & WILLIAMS CO.,
82 Beekman Street, New York, N. Y.

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BUFFALO FORGE CO.,
Buffalo, N. Y.
HUYETT & SMITH MFG. CO.,
Detroit, Mich.
B. F. STURTEVANT CO.,
34 Oliver Street, Boston, Mass.

Hot-Water Heating.
CAPITOL HEATER CO.,
15 Macomb Street, Detroit, Mich.
DETROIT HEATING AND LIGHTING CO.,
Detroit, Mich.
GURNEY HOT-WATER HEATER CO.,
163 Franklin Street, Boston, Mass.

Inside Blinds, Sliding and Folding.
WILLER MANUFACTURING CO.,
Fourth and Cedar Sts., Milwaukee, Wis.

Insulated Wire.
INTERIOR CONDUIT AND INSULATION CO.,
16 Broad Street, New York, N. Y.
THE INTERNATIONAL OKONITE CO.,
13 Park Row, New York, N. Y.

Insurance.
AMERICAN FIRE INS. CO.,
Philadelphia, Pa.
CONTINENTAL INSURANCE CO.,
100 Broadway, New York, N. Y.
INSURANCE CO. OF NORTH AMERICA.
Philadelphia, Pa.
NEW ENGLAND MUTUAL ACCIDENT ASSOCIATION,
85 Water Street, Boston, Mass.

Interior Decoration.
ARMSTRONG & CO., MAITLAND,
61 Washington Square, New York, N. Y.
HABERSTROH, L. & SON,
9 Park Street, Boston, Mass.

Interior Wood-work.
WILLER MANUFACTURING CO.,
Fourth and Cedar Sts., Milwaukee, Wis.

Iron and Steel Structural Shapes.
PASSAIC ROLLING-MILL CO.,
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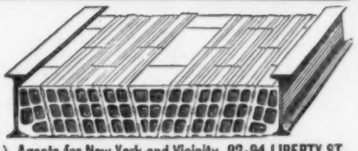
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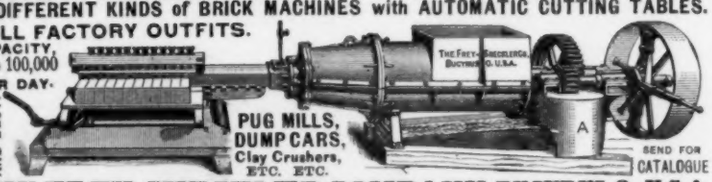

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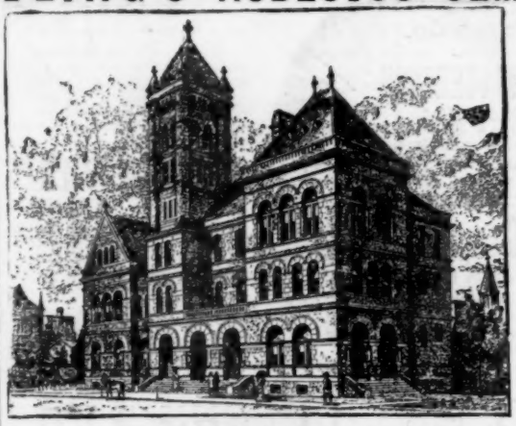
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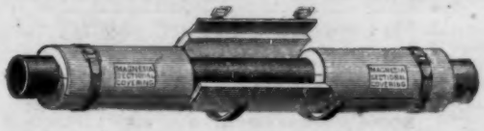

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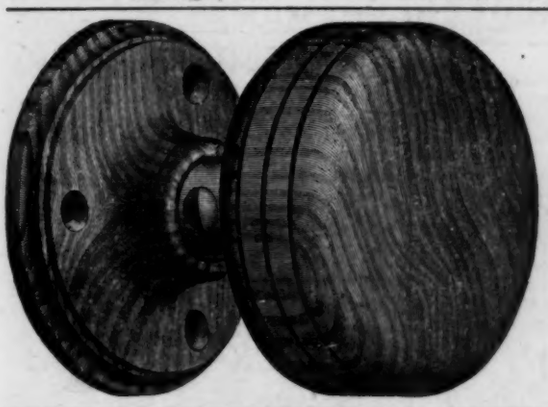

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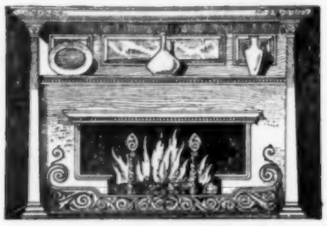

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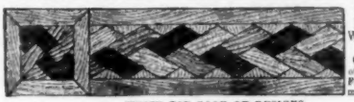

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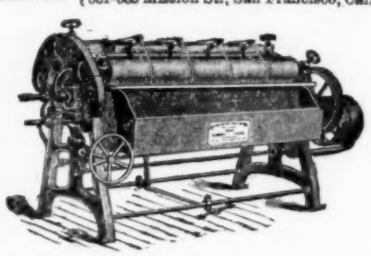

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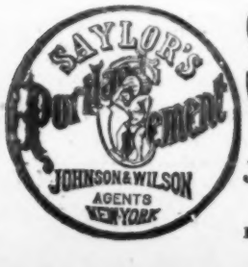

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Boards: (*Ordinary dimensions.*)				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ca 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	13 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar split ₱ M.	@	@	*Not sold.*	24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P.10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. (*First Qual.*				
Ash [*Kiln-dried.*]	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	80 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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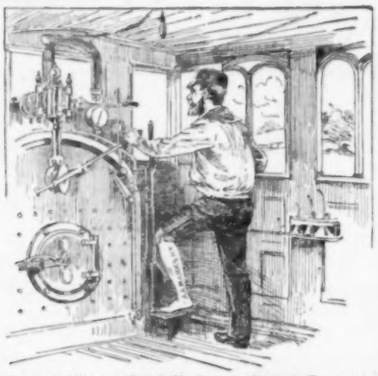

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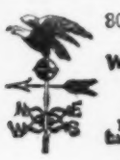

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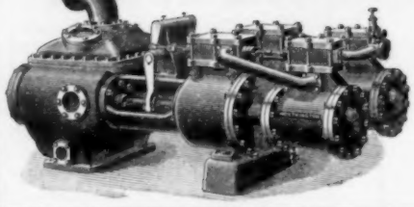

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Jersey	4 00 @ 5 25	9 00 @ 10 00	@ 6 50	" @ 7 00
Long Island	@ 6 00	Bay State Hard		Salmon @ 5 00
Up River	5 25 @ 5 50	7 00 @ 8 00		Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Com.	Indiana Pressed	Light Stretchers
" 1st	6 00 @ 6 25	9 50 @ 10 00	14 00 @ 20 00	@ 10 00
Hollow	@ 13 00	Domestic Face	St. Louis Fronts	Medium "
Fronts:		20 00 @ 22 00	@ 27 00	@ 12 00
Croton, Brown	@ 13 00	Philadelphia		Red "
" dark	@ 14 00	40 00 @ 45 00		@ 13 00
" red	@ 14 00	Phila. mould		Dark "
Chicago pressed (Anderson)		50 00 @ 80 00		@ 13 00
" Moulded			15 00 @ 27 00	Pressed
Baltimore	37 00 @ 41 00	Anderson	65 00 @ 350 00	18 00 @ 20 00
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	@ 55 00	Best Paving
Trenton	22 00 @ 23 00		45 00 @ 50 00	@ 14 00
Milwaukee			45 00 @	Second "
Moulded:			25 00 @	@ 13 00
Glens Falls Red Pressed	@ 37 00		60 00 @ 100 00	Third "
" " Buff "	@ 30 00		30 @	@ 12 00
" " Moulded Red & Buff	45 00 @ 70 00		35 @	
Enamelled: *Imp.*			55 00 @ 65 00	
Enamelled (edge)	85 00 @ 100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	@ 87
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 70 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk		St. John 1 00	55 @	White Mash
Wisconsin Lime			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 4 5

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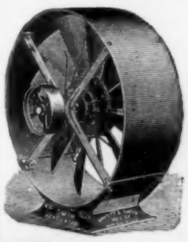
Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am ...℔ M.	@	@	*Not Sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	40 @ 41	57 @ 60	@ 60
" " boiled	58 @ 65	43 @ 44	60 @ 63	@ 63
Turpentine	36 @ 37	@ 39	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	1 @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am } dry	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 5	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 10	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" ...(℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish ...(℔ pair.)	@ 65	@ 50	*Not Sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards.)	@ 10	@ 10	@ 12	@ 1 00
Ebony	@	@	@	@ 35
Apple wood	@	@	@	37 @ 1 00
Knobs: (℔ *set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not Sold.*
Hemacite	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, silvered	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:	@	@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 7½	@ 7	@ 6¾
Lead Pipe	@	@ 6¾	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 36 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10



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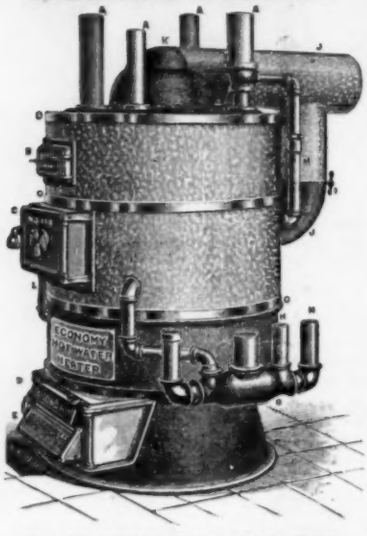

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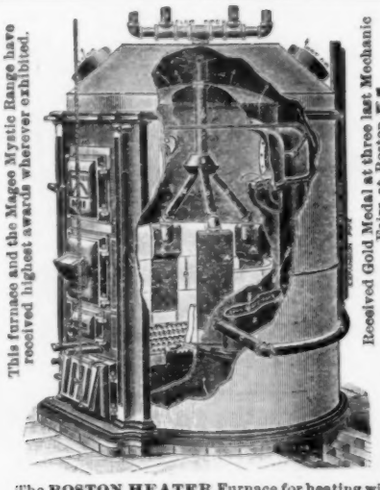

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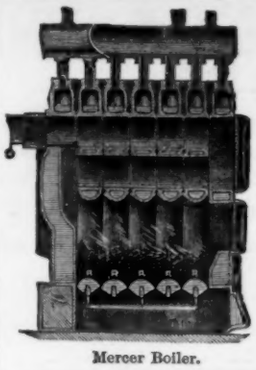

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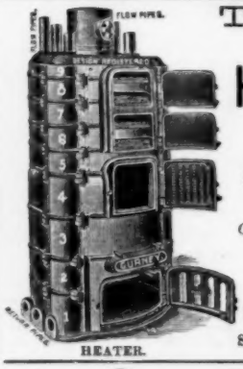

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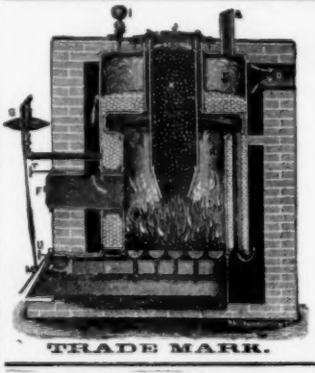

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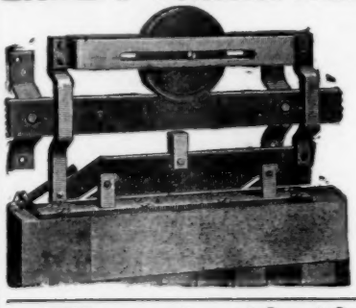

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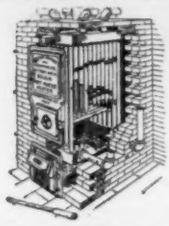

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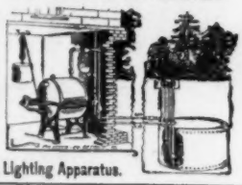

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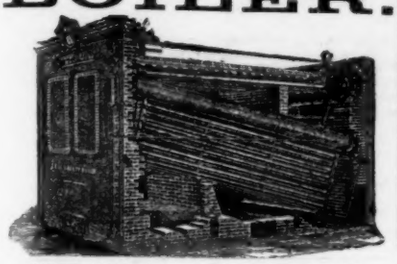

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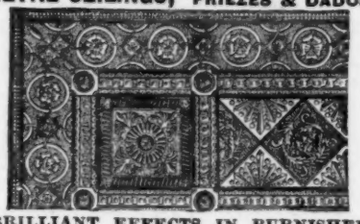

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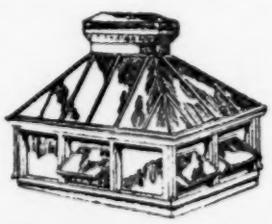

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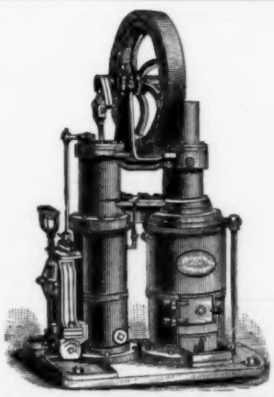

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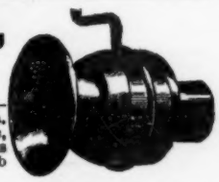

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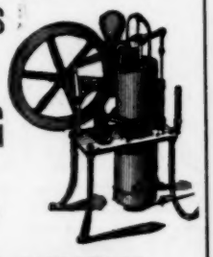

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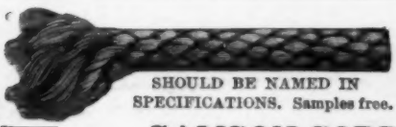

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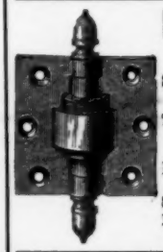

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From Windsor, N. S. — Schooner "*A. F. Crockett*," 675 tons plaster, order. Schooner "*Grecian Bend*," 360 tons plaster, J. F. Whitney & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Brooklyn, N. Y.—*Moore St., No. 64*, three-st'y frame dwell., tin roof, three-st'y frame extension, tin roof, and internal and other alterations; cost, $4,500; owner, M. Simiansky, 60 Hester St., New York City; architect, H. Vollweiler, 83 Hart St.; builder, Mr. Bummerang, on premises.

Delevan St., s s, 150′ w Van Brunt St., one-st'y brick building, tar and gravel roof, internal and other alterations; cost, about $6,000; owner, Paul A. Steeley, agent Cutting estate, 66 Luqueer St.; architect, Alex. Fowler, 616 East One Hundred and Thirty-eighth St., New York City.

Montague St., No. 187, three-st'y brick and brownstone office-building, gravel roof, front hall to be removed and replaced by other, and other alterations; cost, $16,000; owner, W. H. H. Childs, 73 Maiden Lane, New York City; architect, Frank Freeman, 132 Nassau St., New York City.

Willoughby Ave., n e cor. Classon Ave., four-st'y brick convent, slate and tin roof, internal and other alterations; cost, $3,000; owner, Convent of Mercy, Willoughby and Classon Aves.; architects, Wm. Schickel & Co., 246 Fifth Ave., New York City.

McKibben St., n s, 64′ e Ewen St., two-st'y brick packing warehouse, tin roof, to be raised two stories; cost, $3,000; owners, Chas. Hutwelker & Co., on premises; architects, D. Acker & Son, 752 Broadway.

Broadway, No. 26, rear of, three-st'y brick storeroom extension, tin roof; cost, $3,500; owner, B. Peters, Times Building, 26 Broadway; architect, W. H. Gaylor, 110 South Eighth St.

Chicago, Ill. — Spellman Bros., three-st'y addition, 93-99 North Ave.; cost, $7,000.

APARTMENT-HOUSES.

Boston, Mass. — *Crawford St.*, near Warren St., Ward 21, three-st'y frame apartments, flat roof, 24.6′ x 54.9′: owners, H. A. Wood and J. F. Wetherbee; builders, Wood & Wetherbee.

East Concord St., opp. James St., Ward 18, four-st'y brick apartments, flat roof, 25′ x 66.6′; owner, Benj. Levy; builder, James Fagan.

Brooklyn, N. Y. — *Halsey St.*, s s, 60′ w Broadway, three-st'y brick flat, show-room and office, tin roof; cost, $4,500; owners, Burns & McGrath, 1103 Putnam Ave.; architects, Moore & Le Quesne, 1450 Broadway.

Kosciusko St., s s, 200′ e Stuyvesant Ave., 2 three-st'y brick flats, tin roofs; cost, $10,000; owner, Jas. Cumisky, 20 Harman St.; architect, C. Snoden.

Eastern Parkway, s w cor. Van Siclen Ave., 2 four-st'y brick stores and flats, tin roofs; cost, $15,000 each; owners, German-American Imp. Co., Atlantic and Van Siclen Aves.; architects, Danmar & Fischer, Atlantic and Van Siclen Aves.

Grove St., s s, 185′ w Hamburg Ave., 4 three-st'y frame flats, tin roofs; cost, $6,000; owner, B. F. Robinson, 207 Atlantic Ave.; architect, Ernest Dennis, 115 Himrod St.

Chicago, Ill. — Adam Griebel, three-st'y flats, 9130 Commercial Ave.; cost, $8,000.

J. H. Everhart, three-st'y flats, 9132 Commercial Ave.; cost, $10,000.

James Conley, 2 four-st'y flats, 453-455 Forty-seventh St.; cost, $15,000.

M. Cardis, three-st'y flat, 2651 South Wood St.; cost, $5,000.

John Kuhal, three-st'y flats, 599 West Seventeenth St.; cost, $7,500.

John Mengel, two-st'y flats, 66 Goethe St.; cost, $3,500.

C. Eichstadt, three-st'y flats, 777 West Seventeenth St.; cost, $6,300.

E. Henrichs, three-st'y flats, 57 Cleveland Ave.; cost, $5,000.

D. Gaabel, three-st'y flats, 1483 Ogden Ave.; cost, $3,000.

John Jennings, three-st'y flats, 4531 Monroe Ave.; cost, $10,000.

Anna George, four-st'y flats, 419 Cleveland Ave.; cost, $5,000.

Joseph Ernest, 2 two-st'y flats, 41-43 Eugenie St.; cost, $10,000.

(Continued on page xv.)

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Patrick Egan, three-st'y flats, 578 South Kedzie Ave.; cost, $4,000.

Albert Horn, three-st'y flats, 97 Mohawk St.; cost, $3,000.

Christ. Thener, two-st'y flats, 911 James Ave.; cost, $4,500.

Anthony Schmidt, 8 five-st'y apartment buildings, 2216-4226 Greenwood Ave., 4202-4214 Lake Ave., and 66-68 Forty-second St.; cost, $130,000.

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Two-st'y brick flats; cost, $5,500; owner, Wm. Edmundson; contractor, L. J. Evans.

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CHURCHES.

St. Louis, Mo.—One-st'y brick church; cost, $16,000; owner, E. Bapler; contractors, Murch Bros.

FACTORIES.

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Three-st'y brick factory; cost, $31,000; owners, Liggett & Myers Tobacco Co.; contract, sub-let.

HOTELS.

Chicago, Ill. — F. Steger, three-st'y hotel, 6414 Star Ave.; cost, $8,000.

HOUSES.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $7,500; owner, Wm. McCully; contract, sub-let.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, F. L. Seidel.

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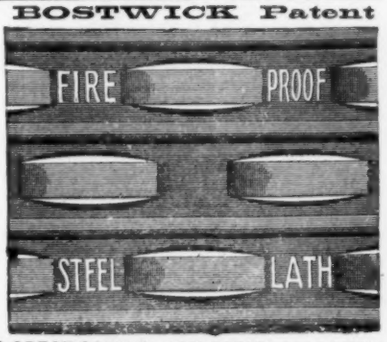

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Two-st'y brick dwell.; cost, $4,000; owner, H. C. Stewart; contractor, A. Wagner.

Three-st'y brick dwell.; cost, $11,000; owner, H. C. Travilla; contract, sub-let.

Two-and-one-half-st'y brick dwell.; cost, $6,000; owner, D. J. M. Ande; contractors, Chris. Lemburg and Son.

Two-st'y brick dwell.; cost, $3,000; owner, J. N. Smith; contractor, J. Lauenburg.

Two-st'y brick dwell.; cost, $2,500; owner, Mrs. Louisa King; contractor, Chas. Wehking.

OFFICE-BUILDINGS.

St. Louis, Mo. — One-st'y brick office-building; cost, $3,500; owner, Dr. H. Wichman; contractor, —. Helerman.

Nine-st'y brick office-building; cost, $105,000; owner, Columbia Reality Co.; contractor, J. D. Fitzgibbon.

SCHOOL-HOUSES.

Brooklyn, N. Y. — *Havemeyer St.*, n w cor. North Fifth St., three-st'y brick parochial school, slate roof; cost, $38,000; owner, R. C. Church of the Annuciation, North Fifth and Havemeyer Sts.; architect, F. J. Berlenbach, Jr., 260 Graham Ave.

STABLES.

Brooklyn, N. Y. — *St. Marks Ave.*, n s, 214' e Brooklyn Ave., one-st'y brick stable and dwell., slate roof; cost, $4,500; owner, Chas C. Lloyd, 380 Broadway; architect, Montrose W. Morris, 45 and 47 Exchange Pl.

Somerville, Mass. — *Partridge Ave.*, stable; owner, H. Hilton.

West St., stable; owners and builders, McIntire & Holland.

STORES.

Brooklyn, N. Y. — *Third Ave.*, n e cor. Thirty-sixth St., 2 three-st'y brick stores and dwells., tin roofs; cost, $4,000 each; owner, Chas. Hart, 710 Degraw St.

Watkins St., e s, 100' n Dumont Ave., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, James O'Halloren, on premises.

Myrtle Ave., s s, 456' e Harmon St., three-st'y frame store and dwell., tin roof; cost, $4,000; owners, Schmidling & Cadoo, 1345 Myrtle Ave.; architect, John Cadoo, 1345 Myrtle Ave.

Sixth Ave, w s, 36' 6" s Ninth St., 2 three-st'y brick stores and dwells., tin roofs; cost, $3,500 each; owner, Ed. P. Day, Third Ave. and Fifty-fifth St.; architect, Robert W. Firth, Arbuckle Building.

Chicago, Ill —Frank H. Barnum, two-st'y store and dwell., 835 West Division St.; cost, $3,500.

Snyder & Nathnagel, 2 two-st'y store and flats, 7117-7119 South Chicago Ave.; cost, $4,800.

F. Kraber, three-st'y store and flats, 706 Sixty-third St.; cost, $6,000.

A. P. Larson, three-st'y store, 1002-1004 Milwaukee Ave.; cost, $11,000.

John Nemice, three-st'y store and flats, 1024 West Eighteenth St.; cost, $8,000.

St. Louis, Mo. — Three-st'y brick store and dwell.; cost, $12,000; owner, Edward Guntly; contractor, Joseph Volke.

Three-st'y brick store and dwell.; cost, $7,000; owner, J. D. Lucas; contractor, Chas. Johnson.

Two-st'y brick store and dwell.; cost, $10,000; owner, Ed. Butler; contractor, C. Freiling.

Two-st'y brick store and dwell.; cost, $2,800; owner, C. L. Hugo; contractor, M. Schneider.

Two-st'y brick store and dwell.; cost, $3,000; owner, R. Dentmen; contractor, Peter Ferry.

Two-st'y brick store and dwell.; cost, $8,000; owner, Mrs. Winkemeyer; contractor, J. Schenck.

Two-st'y brick store and dwell.; cost, $3,000; owner, Adam Sinion; contractor, Jas. Ferguson.

Three-st'y brick store and dwell.; cost, $5,100; owner, M. Shellen; contractor, H. Schieldmann.

Two-st'y brick store and dwell.; cost, $5,000; owner, Cowell R. E. Co.; contractor, Jas. Flannary.

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Three-st'y brick store and dwell.; cost, $8,000; owner, E. Heyd; contractor, Chas. George.

Three-st'y brick store; cost, $6,000; owner, Geo. W. Ware; contract, sub-let.

TENEMENT-HOUSES.

St. Louis, Mo. — Two-st'y brick tenement; cost, $5,000; owner, Jno. Enertowski; contractor, B. Stock.

MISCELLANEOUS.

Somerville, Mass.—*South St.*, cor. Earl St., carriage-house; owner, Garret Barry; builder, Mr. Chisholm.

St. Louis, Mo. — Two-st'y brick blacksmith shop; cost, $3,500; owner, Edward Butler and Son; contract, sub-let.

Two-st'y brick hall; cost, $14,200; owner, German Veteran Association; contractors, A. Krause & Son.

One-st'y brick kitchen; cost, $3,000; owner, F. A. Steer; contract, sub-let.

Two-st'y brick market; cost, $3,000; owners and contractors, Swift Bros.

[*Continued in Supplement.*]

COMPETITION.

MONUMENT TO ROBERT BURNS.
[At Chicago, Ill.]

CHICAGO, ILL., April 8, 1892.

The Burns Memorial and Monument Association of Chicago invite designs for a monument to Robert Burns, to be erected in one of the public parks. Cost of entire monument not to exceed $12,000.

The committee suggests a figure of heroic size, the monument to have space suitable for panels (to be added subsequently). A premium of $200 to be awarded to the party whose design is accepted, and $100 to the party with design next of merit. Designs to be sent in not later than June 1, 1892, to Wm. Gardner, Chairman of Committee on Design, at 145 East Kinzie St., Chicago, Ill. 855

PROPOSALS.

GAS AND ELECTRIC-LIGHT FIXTURES.
[At Omaha, Neb.

OMAHA, NEB., April 21, 1892.

Sealed bids, marked "Bid for Combined Gas and Electric-light Fixtures for the New City-hall, Omaha, Neb." will be received at this office up to 4 P. M., May 17, 1892.

Each bidder to furnish his own plans and specifications, the entire cost not to exceed $12,000 for furnishing and placing these fixtures; a certified check of $1,000 to accompany each bid.

The right is reserved to reject any or all bids.

THEO. OLSEN,
Comptroller.
854

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PROPOSALS.

CITY-HALL.
[At Brockton, Mass.]

Proposals for the furnishing of material and performing of all labor required for putting in and finishing the interior wood finish, the painting and finishing, plumbing and gas-piping, steam-heating, elevator, vault doors, brick heating ducts, iron staircase work, electric lighting, marble work, tile work and plate glass for new City-Hall now building in Brockton, Mass.; proposals to be directed to Ziba C. Keith, Mayor, and indorsed "Proposals for City-Hall." An approved bond will be required of the successful bidders.

All proposals must be in **on or before 6 P. M. May 30, 1892.**

The committee reserve the right to reject any or all proposals as the interests of the city may appear.

Plans and specifications may be seen at the office of W. L. Minor, Architect, Brockton, Mass.

W. L. MINOR,
For the Committee. 856

Treasury Department, Office Supervising Architect, Washington, D. C., April 29, 1892. Sealed proposals will be received at this office until two o'clock P. M. on the 27th day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating apparatus) of the United States Custom-house and Post-office building at Houlton, Me., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Houlton, Me. Each proposal must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Erection and Completion (except Heating Apparatus) of the United States Custom-house and Post-office building at Houlton, Me.," and addressed to W. J. EDBROOKE, Supervising Architect. 855

April 28, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 18th day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the gangway, wharf and building thereon at the United States Quarantine Station, Black Beard Island, Sapelo Sound, Georgia, in accordance with the drawing and specification, copies of which may be had on application at this office or the office of the Surgeon in charge. Each bid must be accompanied by a certified check for a sum not less than two per cent of

(*Continued on page xx.*)

POTSDAM

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Considerations that should be noticed in the use of this stone for building purposes:

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Random Rock-faced Ashlar. The fact that the natural beds of this stone are smooth and parallel, and the ease with which it responds to the pitching tool, are of great advantage in using random rock-faced ashlar for wall-facing, giving a most satisfactory effect, at a cost less than that of the most expensive pressed brick. No stone shows a more beautiful rock face, the light and shade effect obtained is unsurpassed. The absolute cost of Potsdam Sandstone used in this form of course depends on the closeness of the beds and joints required in the work. For ordinary work little if anything needs to be done on the beds of the stone, and it can be fitted for the mason from the form in which it comes broken out, ready to pitch, by the use of the pitching tool only.

Sawing and Rubbing. Potsdam Sandstone can be readily sawed with chilled shot, or rubbed with sand in the ordinary rubbing-bed. Treated in this way it has been used in the conventional-styled brown-stone fronts.

Cleaning. Owing to the fact that this stone does not cleave off on exposure in any location or climate, and so constantly present a new surface, as the soft stones do, its brightness and freshness may, in time, become obscured by dust and dirt. This is especially likely to happen where the stone is protected from the weather, so that rain does not reach it. Exactly the same thing occurs when a plate-glass window is left without washing for a long time. Both should be treated in the same way, and will be restored at any time to their ORIGINAL APPEARANCE by the use of SOAP AND WATER AND A SCRUBBING BRUSH, or a good stream of water from a garden-hose.

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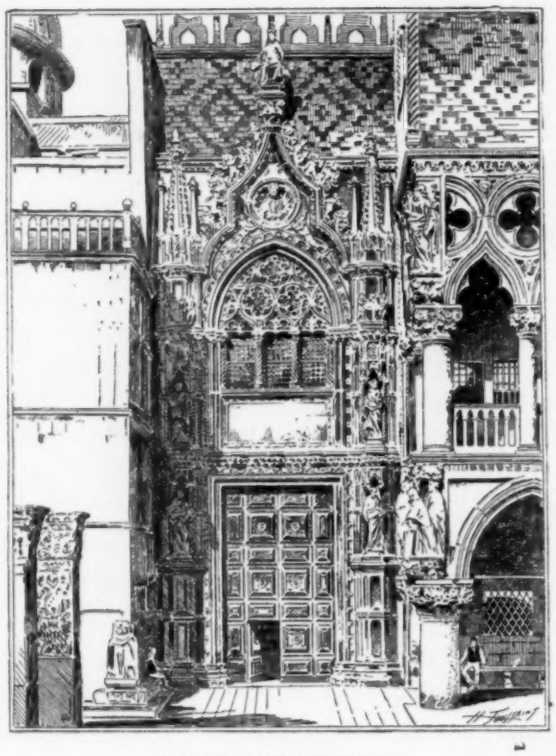
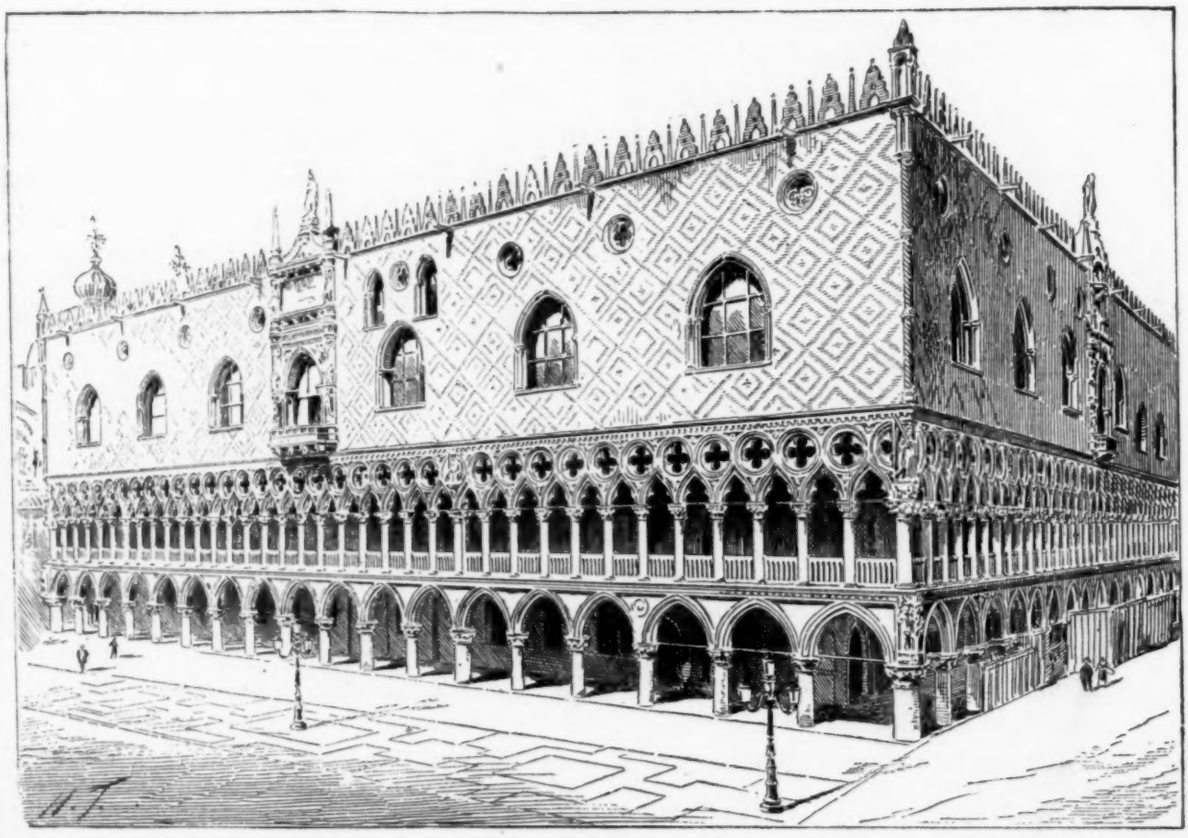


Porta della Carta, Doge's Palace.

Scuola di San Marco.



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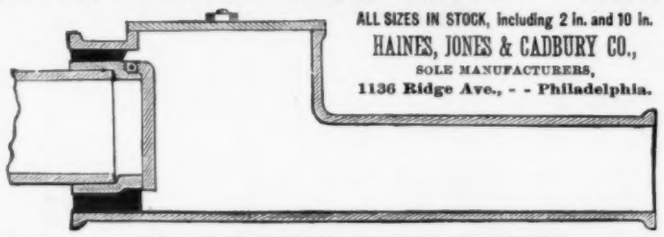

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PROPOSALS.

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April 22, 1892. Sealed proposals will be received at the Office of the Supervising Architect, Treasury Department, Washington, D. C., until 2 o'clock P. M. on the 16th day of May, 1892, and opened immediately thereafter, for all the labor and materials and fixing in place complete, the alterations and addition to the heating and hoisting apparatus, new boiler-house, etc., for the United States Public Stores Building No. 1, at Baltimore, Md., in accordance with the drawing and specification, copies of which may be had at this office or the office of the Custodian at Baltimore, Md. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Alterations and Addition, new Boiler-house, etc., for the United States Public Stores Building No. 1, Baltimore, Md.," and addressed to W. J. EDBROOKE, Supervising Architect.

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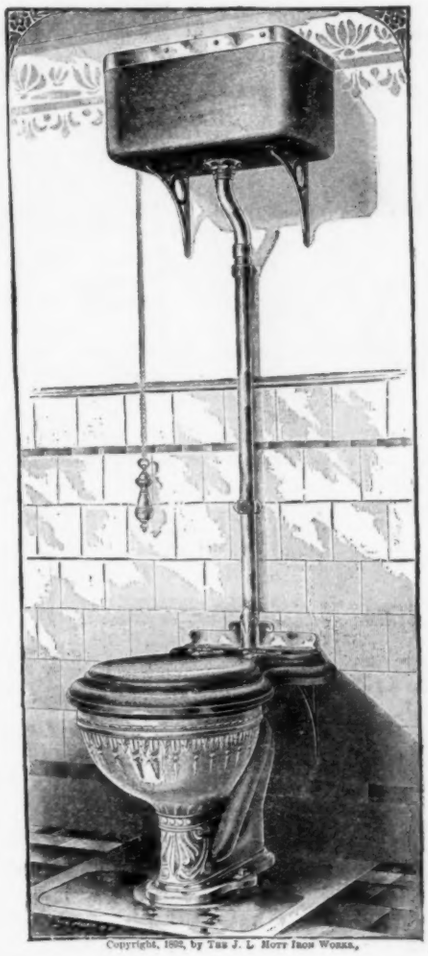

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[*See Alphabetical Index on page VII for Pagination.*]

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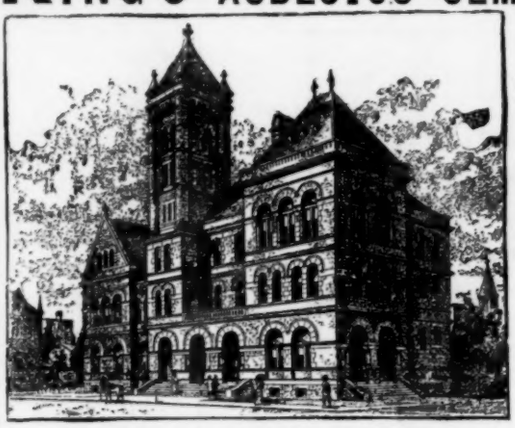

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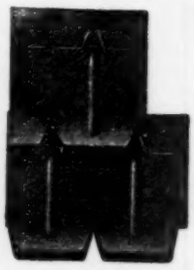

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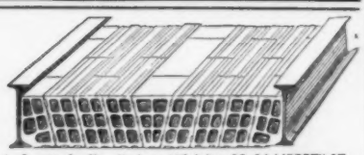
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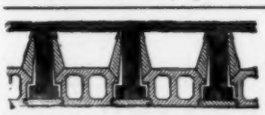
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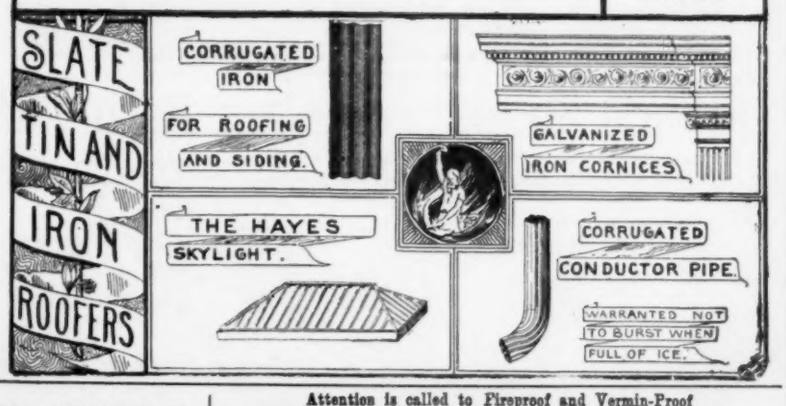

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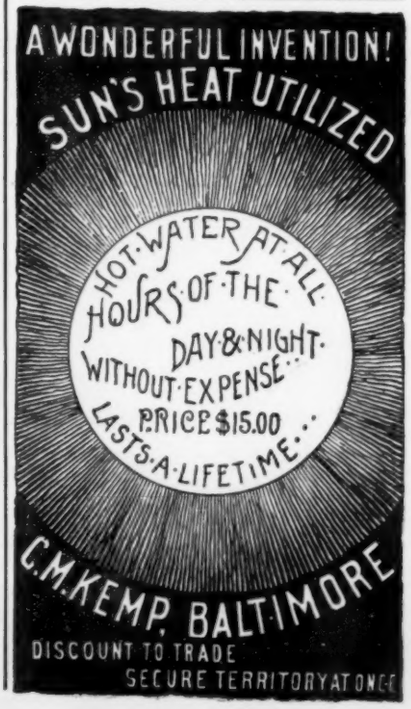

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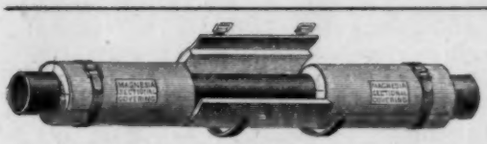

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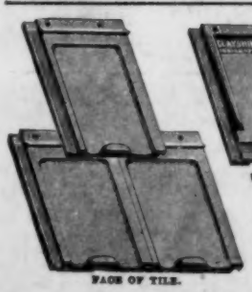

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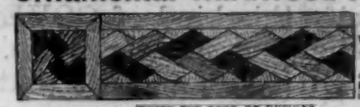

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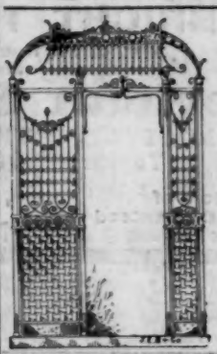

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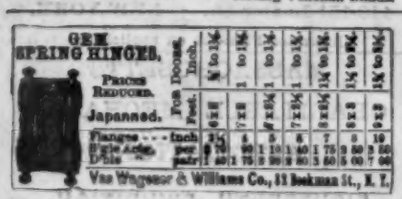

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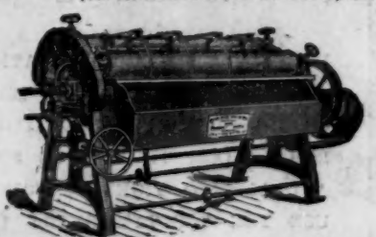

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The American Architect and Building News

ADVERTISERS' TRADE SUPPLEMENT.

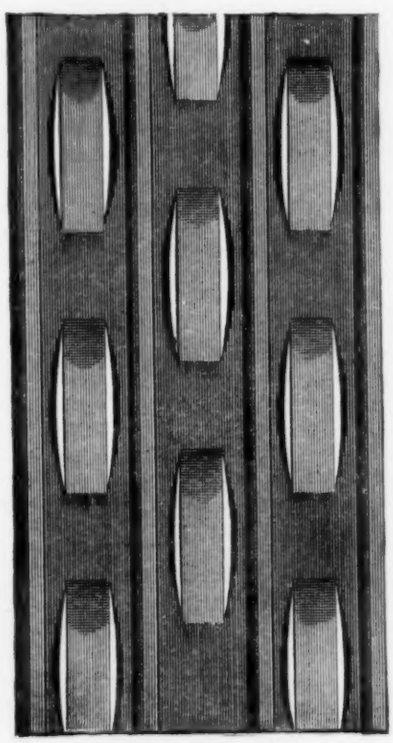
No. 119. SATURDAY, MAY 7, 1892. Volume XXXVI No. 854.

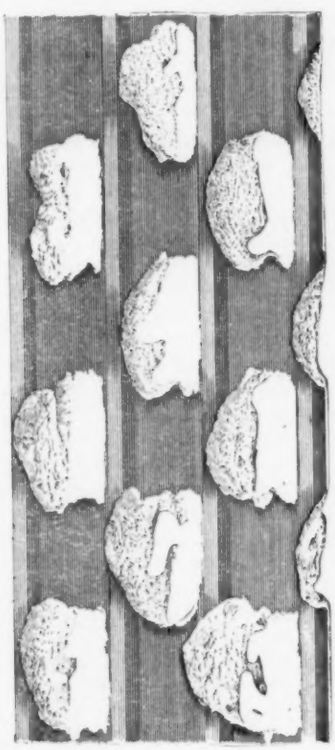
BOSTWICK FIREPROOF STEEL LATH COMPANY.

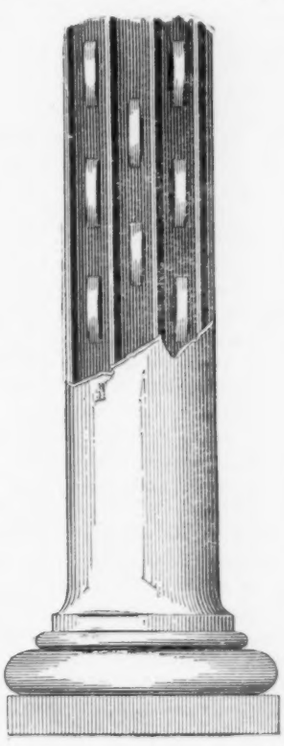
From year to year we have improved our dwellings and public buildings to keep pace with the more exacting demand for more comfortable, luxurious and durable quarters than were formerly thought necessary. Through frequent disastrous fires in the various sections of our country, the aim of all builders seems to be to secure durability, and to avoid, if possible, the loss and inconvenience incident to frequent losses by fire. It is found that, by a slightly increased outlay at first, this danger of loss may be in a great measure obviated, and is really a judicious investment for either the home or the place of business. We are now attracted by any material for buildings which will retard, if not completely arrest fire, and listen with interest to whatever may be claimed as merits. Among the more important of improved methods of construction is the use of steel lath in place of spruce lath, for ages past the only kind to be had. The best of kindlings for a fire and for the spread of flames has, under the name of wooden lath, been placed in all buildings for want of a better, and must bear the entire responsibility for untold conflagrations. Some still use them, generally because their fathers did so: but, with more advanced ideas of construction, wood lath will soon be relegated to the past, and our building of the future will contain less wood and more clay, metal or stone. Steel lath of various forms has been upon the market for some time past, and has met with more or less success. To-day our best city buildings are being lathed with metal, because it is the best method known. It has come to stay, as increasing sales show. The Bostwick Fireproof Steel Lath combines the latest improvements, and avoids the errors of many of the first patents sold here. It may be described as a sheet of metal corrugated longitudinally every inch, and having between these corrugations certain slits cut in the metal, the metal between the slits being expanded, forming loops or projections on one side of the sheet. Thus the plaster, when applied, passes under the loops through the opening, forming a double key to the mortar. There is a great saving in the material and labor in plastering. This saving of plaster follows in the first instance because the surface to be covered is even and unyielding, and, second, the openings being of uniform size and evenly distributed over the surface of the sheet, create a strong key, and one that will not admit of waste mortar falling off back of the lath.

It is, first of all, stiff and unyielding when in place, and forms a rigid and proper surface to receive the mortar, which keys to it admirably. It is much less likely to sag or spring out in case of the building settling than spruce lath would be, and will thus save the annoyance of cracked walls and ceilings. While the metal is rough enough to receive in a friendly way whatever mortar or cement is used, it is still smooth enough to allow of great economy in spreading it, and the saving in this item alone nearly pays the increased cost of steel lath over spruce.

An examination of the cuts herewith will show the manner in which an effectual key is made without regard to the quality of the mortar used. With this saving of plaster







goes, of course, the corresponding saving in labor, which is a considerable item. Besides these advantages, must be reckoned that of having a vermin-proof wall and partitions, and, still further, the satisfaction of knowing that in the buildings where this lath is used there will be less danger from fire, and a saving should be made in insurance. Several tests have also demonstrated its fireproof qualities.

The main offices of the Bostwick Metal Lath Company are located at 38 Park Row, New York, but, owing to increase of business, factories and offices have been established at Niles, O., and Wheeling, W. Va.

Illustrated pamphlets and samples of this steel lath are supplied free, together with all information, to any one desiring same on application to the Bostwick Metal Lath Company, 38 Park Row, New York; the Bostwick Steel Lath Company, Niles, O.; and the Bostwick Fireproof Steel Lath Company, Wheeling, W. Va.

This company desire active representatives throughout New England, New York, New Jersey, Maryland and District of Columbia, and correspondence is solicited from parties interested.

BOSTWICK METAL LATH CO.,
New York, N. Y.

MASSACHUSETTS CHARITABLE MECHANIC ASSOCIATION.

For the eighteenth time the Massachusetts Charitable Mechanic Association are calling the attention of the community to the fact that they are preparing to hold another of their excellent exhibitions. Through October and November, next, their great building on Huntington Avenue, Boston, will be filled with the best samples of the industry, skill and art of New England. Usually these exhibitions have been held once in three years, but on account of the World's Fair, which is to be held in Chicago in 1893, this one will be held after an interval of two years. But if the interests of the mechanics and manufacturers required one every *three* years, half a century ago, they need one in *two* years now. These are indeed wonderful times, when we consider the rapid strides constantly making in every department of our manufacturing and mechanical industries. These exhibitions are an epitome of our material progress. In the first one held in 1837, for instance, the stoves, ranges and furnaces were of the most primitive pattern. They would be looked upon now as curiosities. A few specimens of ingrain carpeting were shown, *then* considered very superior. The electrical machines were a circular disc of glass, used for school purposes only. Dynamos and arc-lights and electric-cars were not born. No sewing-machine, typewriter or bicycle had then been thought of. No single machine for working wood or iron, or any steam engine then exhibited would be worth anything now, except as an evidence that old things had passed away, and that all things in the mechanical world had become new. At that first fair there was shown a veneered door, which the Judges remarked was "the first of the kind within the knowledge of the Committee." Every generation reproduces an entire outfit for nearly every department of industry. In 1837 the exhibits were mostly small affairs. Only a few were large and important. Ten pages of the report were taken up by entries of one line each, the exhibits being rugs, quilts, bead bags, and the like. Then the entire floor surface amounted to less than half an acre. Now they occupy six acres. Now the aim is to exhibit machines, devices and articles of real merit, and of wide application, such as are of value and importance either for utility or luxury. The heaviest engines, the most ponderous machinery, the most rapid saws, planers, lathes and other machines are now shown in operation, giving object-lessons of immense value to the visitors. Here the curious in any and every branch of inquiry can find the latest and best in his particular field. Here are collected under one roof the wonders of the past, so far as can be illustrated by the works of men and women in the broad fields of industry, science and art. For with the advance of mechanical skill "ART" as illustrated by music, painting, sculpture, photography and other branches has been added, until these exhibitions have become great educators in every department of life. What you eat, what you wear, what you live in, what you ride in, and how all these are made, these and much more are here spread out to be studied by hosts of people from all parts of the civilized world. The public is under obligations to this Association greater than is generally known. Within their lifetime, ninety-seven years, they have accumulated enough to build and equip one of the largest and best buildings in the country. They have done *more* and *better*: they have distributed to the sick and the needy more than *one hundred thousand dollars*. How much have they paid in dividends? *Not a dollar! The public gets the whole.* At each exhibition, numbers of the ablest and best known men of Boston give their time and ability without compensation, to advance this enterprise. It is a grand record.

J. B. KING & CO.'S CEMENT WORKS.

There is a large brick extension being made to the plaster and Windsor-cement mills of J. B. King & Co., covering an acre in extent and six stories high. These mills, the largest in the country, are the outgrowth of the labors of Messrs. J. B. and George R. King, two men still young and pushing. They are descendants of Jerome B. King, who was the first manufacturer of calcined plaster in this country, and they were made practical in the business by a long apprenticeship. They located on their present site in 1876 with a 100 horse-power engine. Their business increased so much that in 1878 a 300 horse-power engine was put in. On July 19, 1885, the mill was destroyed by fire, but with the characteristic energy of the firm they set to work and July, 1886, saw them again started in a large mill with a 500 horse-power engine.

Increase of business and the invention of a substitute for lime and hair for plastering compelled them to further extend their plant, and in February, 1891, a 1,200 horse-power Corliss engine was added to their plant.

They are now the largest manufacturers in the United States of calcined plaster in all its grades, land plaster, marble dust and Windsor cement, the increase in the demand for the latter article calling for still further additions. The new extension above referred to has a floor-surface of over six acres and will be ready for occupancy by April 1, 1892, if the machinery necessary for the manufacture of cement is finished by that time.

To keep their work going requires a fleet of eight large vessels plying continually between their mines at Windsor, N. S. and Staten Island, and three large steam propellers used in the delivery of their manufactured goods. These works are the largest of any kind in operation on Staten Island. The increase in business of the Windsor Cement Company is drawing so extensively on their plant that it has compelled them to erect a large mill in Savannah, Ga., and another in Chicago, and they will erect others still farther West.—*Architectural and Building Monthly.*

THE ALUMINUM-ALLOY ROOFING METAL.

The Aluminum-Alloy Roofing Metal, manufactured at Hampton, Iowa, under the Wilder Patents of 1885, deserves particular attention of the roofing trade and those contemplating building and of architects who are desirous of finding a substitute for the various metal roofing materials, which are more or less objectionable, now on the market. We live in an inquiring age, and a pre-eminently progressive one. In all the manifold arts and enterprises which tend to enhance man's comfort and happiness, we are not satisfied with the best; but we are ever seeking something superior. This spirit of inquiry is the foundation of all modern improvements. Were there no demand, energy would lie dormant; inventive skill would fail of cultivation on account of a lack of recompense for wasted energy, and the world would lapse into barbarism. The Aluminum-Alloy metal is practically indestructible; there being no iron or steel in its composition, it cannot rust or corrode; the atmosphere in its ordinary conditions has no effect upon it. Its pliability is another commendable feature; it is subject to less expansion and contraction than copper; it will stand at least 500 degrees of heat without caving; it can be readily spun, stamped and engraved, therefore, it is eminently suitable for the manufacture of wash-basins, cuspidors, lamps, table-ware and a thousand articles in everyday use in every household in the land. Kerosene and carbon oils cannot penetrate it; it can be nickel and silver plated; can be soldered like tin plate; made into cornices and shingles; it is nearly noiseless in the falling rain; the atmosphere in our large manufacturing cities, ordinarily laden with acid gases, makes but little impression upon it in long exposure; in short, it possesses all the good qualities claimed for it by the patentee and the company; and for the purposes for which it is intended, it has no superiors among the baser metals. With present facilities, the company turns out about two tons per day; and the demand is becoming so great, that the company is considering the proposition of doubling its capacity. This metal needs only to be known and tested to be appreciated.

ALUMINUM-ALLOY METAL CO.,
Hampton, Iowa.

The following, referring to the Duplex Hanger Co., whose advertisement will be found in this issue, will be interesting to builders:

Office of Inspector of Buildings, City Hall,
Minneapolis, Minn., January 22, 1892.

Whereas:—The National Association of Commissioners and Inspectors of Buildings assembled in Convention at the City of Cleveland, Ohio, were invited to inspect the application of the Duplex Joist Hangers in several buildings.

Resolved:—That after personal inspection we find the Duplex Joist Hanger to fulfil all requirements claimed for it.

Resolved:—That the Secretary be instructed to send a copy of this resolution to the Duplex Hanger Company of Cleveland, Ohio.

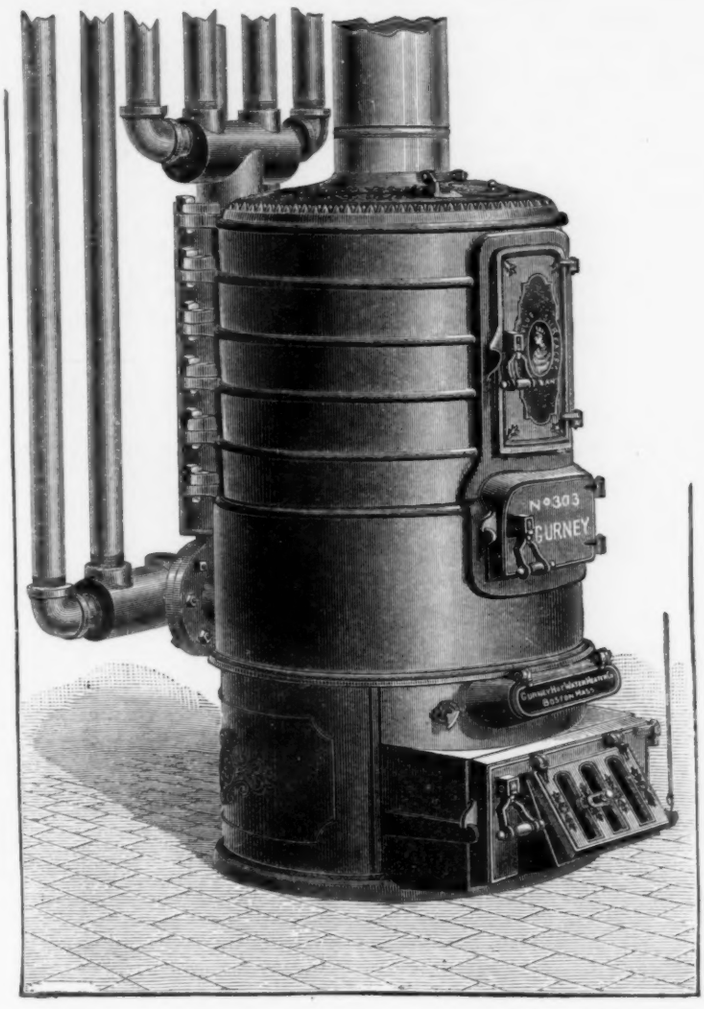
J. M. Hazen, *Sec.*

THE GURNEY HOT-WATER HEATER.

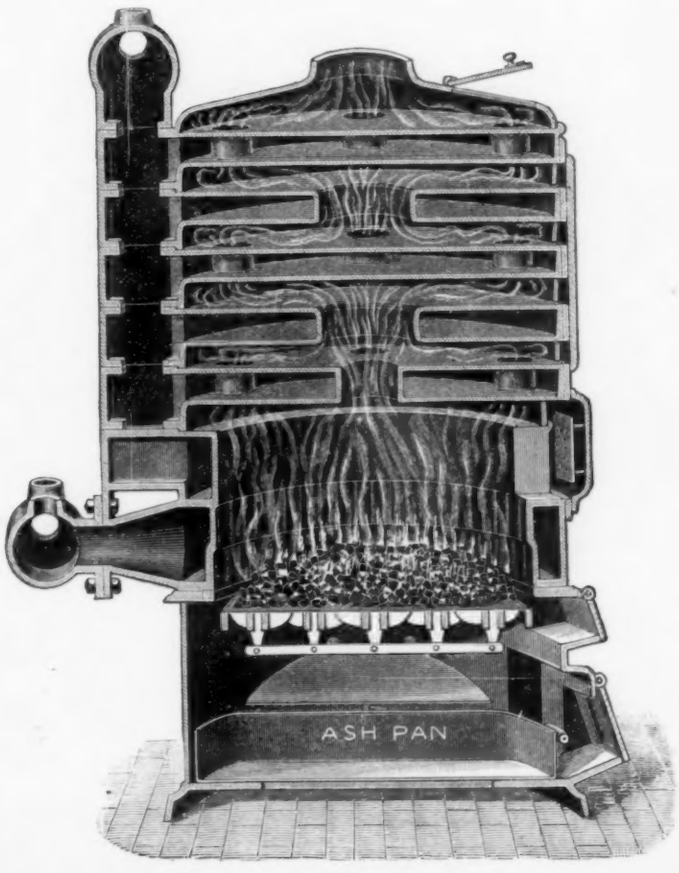
ADVANCE proof sheets have just been issued of a new catalogue which will be published by the Gurney Hot-water Heater Co., of Boston, in the course of a couple of weeks or so. From these sheets it is seen that this company have made several additions to their already famous lines of heaters, additions that are destined to prove important factors in the hot-water-heating trade of this year. The 100 Series Heater has such an established reputation, and is so well-known, as to need no description or illustration in this article.

The Double Crown Heater has already been illustrated in these pages, and instantly created probably more favorable criticism than is usually accorded at the outset to any make of heater of such radical change of construction, and, viewed from the standpoint of the engineer, it is evident that the praise is merited. We will extend the usefulness of this line by making another size, viz, 26″, and which now gives our Double Crown Heaters a carrying capacity ranging from 1,200 square feet surface to 12,000 square feet surface. To obtain control of the patents of the Double Crown Heater, the company spared no expense, and the heater is such a triumph of scientific construction, as to leave but little fear as to the ultimate returns from the investment.

It will be seen by the accompanying illustrations, that we are bringing out another heater which will be called the 300 Series, and which, with incident modifications, will be constructed for burning either hard or soft coal. We have constructed this new series of heaters on our old principle of directed circulation which we patented in 1884, and the considerations which led us to revert (in this series) to our original conclusions on this subject were, that experiment had demonstrated that the difference in results obtained from a trial of the two principles was so slight as to prove but unimportant, and that the method is a little less expensive.



Side View.



Sectional View.

It may be said in this connection, that most of the heaters in the market have utilized this method, so that, without doubt, it is entirely practical.

A few words will describe this heater fully, both as to combustion and circulation. The water is brought into a header on a level with the bottom of the fire-pot, is carried well forward on this level, and then passes up past a diaphragm which runs from the back of the fire-pot to the front, causing the water to return toward the back of the heater to a central back column, through which it passes through two openings, to the next section above the fire, whence it is passed forward to the front of the header on either side, between the outside surface of the heater and two cast diaphragms; passing in between these diaphragms, it is delivered at the centre of the back column. These two outside openings in this central back column are open from the top to the bottom of the heater, the circulation being thus independent in each section. It is claimed by parties using this method of heating in Canada, where three heaters of this class are manufactured, that each of the horizontal sections *is thus constituted an independent boiler*, and that it has value, especially when fires are maintained at very low temperature. Among other features of value claimed for this construction, is that it

may be easily erected; this applying not only to the heater, but to the connecting pipes as well.

Ash-pit. — The ash-pit section is made thoroughly strong, and is carried on feet which are cast on the bottom, and cause it to clear the floor at the edges, about a half-inch, while at the centre, inside the flange the clearance is one and one-half inches. Each ash-pit section carries an ash-pan, constructed so that all droppings from the grate are carried, and not allowed to accumulate at the sides and back of the ash-pan.

Fire-pot. — It will be found that, although the whole of the fire-pot surface is covered by water, we have used no iron-stone lining, but have substituted therefor, broken lines, both horizontal and vertical. Thus the fire-pot is larger at the bottom than at a point higher up, there being three successive steps, while the vertical lines have been broken by a series of ribs cast in the pot. It has been found that results similar to those obtained by the use of brick, are secured by this method. The sections above the fire-pot are pierced with flue holes larger than in the 100 Series, to heaters of this class being constructed to burn hard coal only.

We were well alive to this fact when constructing our soft-coal heater of the 300 Series, for it certainly impresses one as being peculiarly well adapted for bituminous-coal producing States.

Experience with soft coal has demonstrated that the staggering of surfaces and other devices used for the checking of combustion, and placed between the fire and the chimney, must be reversed, as this staggered surface, dampers, etc., so affect combustion as to cause the surface of the heater to be covered with a deposit of soot, which in a few days, without almost constant attention, so clogs the apparatus as to make it practically useless.

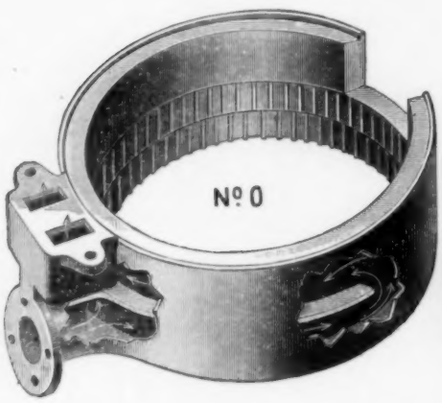
We have found furthermore, that in burning soft coal the best results can only be attained through a grate having relatively little opening, for the reason, that where a grate is open throughout, as in a hard-coal heater, the air entering at the damper-door is not checked by the close lying coal, as in an anthracite heater, but readily finds its way and the final delivery of the products of combustion, after being directed against successive surfaces, are finally delivered into a warm chamber at the top of the heater, created by a plate covering the whole, on which is placed the pipe collar.

The bringing on the market of our bituminous or soft-coal heater is certainly opportune, owing to the immense field for a heater of this description. Hot-water heating has been restricted considerably in its growth in the bituminous sections of the country, owing without creating combustion, by the shortest channel to the surfaces of the heater, and being at a very low temperature, not having been compelled to pass through the area of the fire, it cools the surfaces.

By examining the accompanying cuts showing the grate, it will be observed, that air having entered the ash-pit through the dampers, is controlled by the operator by use of the grate, which is so arranged that the openings may be made large or small at his pleasure. It has been found that in the use of this grate with Ohio coal, the deposit on the surfaces is minimized. Indeed, experiments have shown that with this class of coal, when the fire is allowed to burn freely, the heater is almost, if not quite, self-cleaning, especially above the fire-chamber and in the surfaces lying closely contiguous thereto.

A valuable feature of this grate is its tendency to preserve the fire, even in the smallest apparatus, for a long period of time.

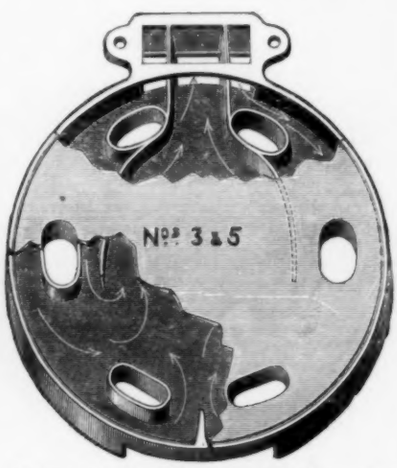
THE GURNEY HOT-WATER HEATING CO.,
BOSTON, MASS.



Fire-Pot Section.

Section showing circulation of water and back-connection.

Section of Soft-Coal Burner.



Section showing circulation of water and back-connection.

Gurney Soft-Coal Grate.

TRADE CATALOGUE.

It is rather unfortunate that a valuable contribution to the literature bearing upon the science of heating and ventilating should be somewhat handicapped because it is issued in the form of a "trade catalogue," but the Abram Cox Stove Company of Philadelphia, is not wholly engaged in philanthropical efforts and it would be asking too much to expect them to forego mention — direct, indirect or direct-indirect — of their own wares in the excellent pamphlet they have issued lately, "*Water and Air Circulation in Heating and Ventilating.*"

It is sometimes said that scientific men have never invented anything, but this is not true of Doctor Otto, who is known all over the civilized world as the inventor of the first economically and commercially successful gas-engine. — *The Industrial World.*

"SUNRAY" WATER-HEATER.

WE illustrate herewith cuts of a new "Hot-water Heater" about to be placed on the market by the J. L. Mott Iron Works of New York and Chicago.

It will be seen by the cut, Figure 1, that the heater has a very handsome appearance. Each section is bolted onto the one immediately above it so that any one section can be taken out and replaced without interfering with the others; it is claimed that these separate bolts also have the advantage of making a stronger joint and one that will always remain tight under any change of temperature. The flanges that form the joints between the sections are milled by a machine specially designed for the purpose which makes the surfaces so true that a leak is impossible. Each tier of flues in the upper sections is accessible by separate clean-out doors, so that each set may be cleaned without exposing the others.

The heaters are furnished with a new pattern of rocking grate which, it is claimed, will clear the fire of all clinkers and ashes without waste of fuel.

It is claimed that the arrangement of fire-pot, the spaces above the fire-pot and the combustion-chambers in the top of the heater are new features. It will be noticed in the sectional cut, Figure 2, that the water spaces are directly over each other; this construction enables all the gases generated by the burning fuel to pass freely to the combustion-chamber at the top of the heater, where they are consumed before escaping to the chimney. It is claimed for this method of construction that a higher temperature can be maintained at the top of the heater than in the fire-pot and that the whole of the heater surface is as hot as the fire-box.

The return-flues as shown in Figure 3, prevent the escape of the heated gases till the heat has been extracted by coming into contact with the water spaces. It is claimed by the makers of this heater that the top of any water-heater should be the hottest part of it, as the return-water enters at the bottom and gets hotter and hotter till it reaches the top where it escapes up the flow-pipes to the radiators.

It is claimed for this heater that it has a positive circulation that all the water entering at the bottom of the heater is passed directly over all parts of the fire and yet no friction is allowed to prevent the water escaping freely up the flow-pipes as soon as it has received all the heat it can carry.

This heater, it is claimed, has been thoroughly tested to prove its economy, and has exceeded the expectations of the inventors.

The heaters can be quickly erected and can be taken into any building by an ordinary door.

The heaters are made in twelve sizes to heat from 350 to 5,000 feet of radiators, and are arranged in batteries to supply heat for 50,000 feet of radiation.

The J. L. Mott Iron Works will be pleased to give any information to the trade by applying to their New York or Chicago Stores.

J. L. MOTT IRON WORKS,
NEW YORK AND CHICAGO.

Fig. 1.

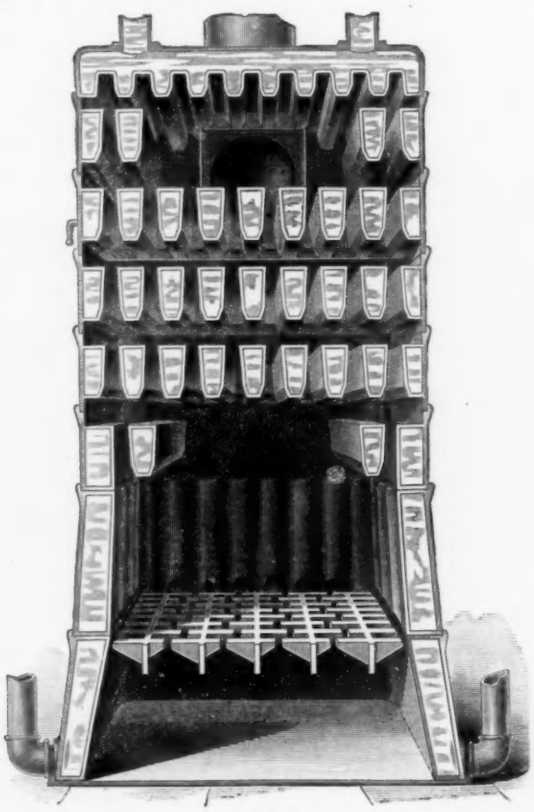


Fig. 2.

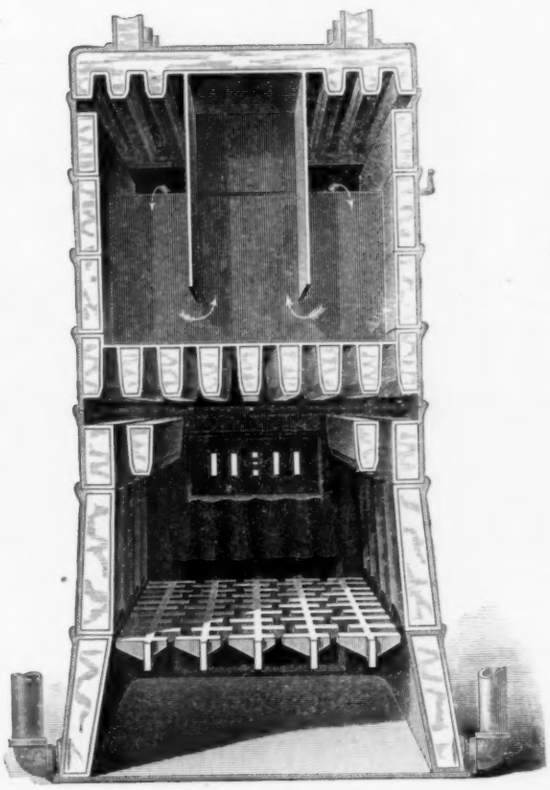


Fig. 3.

RUSH'S PATENT ADJUSTABLE MOUTH-PIECE.

To the mind of the average person there is little or no room for improvement in the mouth-piece of a common every-day speaking-tube, but if one will only take the pains to watch the difficulties which its use generally imposes on the user, the conclusion will very likely be arrived at that if no improvement has been made there is a great field for one. The old-fashioned mouth-piece projects about three-fourths or one inch from the wall, and if a man with a silk hat on, attempts to use it he will be obliged to remove it or the hat will carry the scars till such time as he can call on his hatter.

In the case of a lady it is even worse, ladies cannot remove their head-gear so handily and consequently it is very often badly disarranged by coming in contact with the board or marble.

But the worst of all is the ludicrous position some have to put themselves into in order to use it. We are not all of one height, and while some must stand on tip-toe or even put their toes onto the base-board (as very often happens with children) others must bend over till they resemble a Mahometan at his devotions.

All these defects are remedied by Rush's Patent Adjustable Mouth Piece, a child or a giant can use it with equal facility, standing erect as nature intended we should. When in use it projects six inches from the wall and when not in use occupies *no more space than the old-fashioned mouth-piece.*

JAMES H. RUSH,
10 Tremont Street, Boston, Mass.

THE VANDERBILT BRONZE GRILLES.

The bronze entrance grilles for the residence of William K. Vanderbilt at Newport, which were designed by Richard M. Hunt, are now on exhibition at the works of John Williams, 544 to 556 West Twenty-seventh Street. The finest piece of work of this character ever turned out in the United States. Nothing like it has ever been attempted here before.

Allard & Co., the metal workers of Paris, who are doing the stair-railing and other work in the interior of Mr. Vanderbilt's house, competed for these grilles. Since the grilles were completed the head of the house of Allard & Co. has inspected them and expressed enthusiastic admiration of the work. The total cost of the work upon the doors and doorway is about $40,000.

The grilles are of bronze and forged steel. While part of the work was designed to be executed in wrought-iron, no iron of sufficient fineness could be found, and a soft steel was substituted, which has taken the exquisite finish of a gun-barrel, toned to a velvety black, very soft and lustrous. The height from the stone tread to the top of the metal work is sixteen feet, and the breadth over all is twenty-five feet four inches from column to column. The gate itself swings ten feet eight inches high, opening six feet one and one-half inches, giving a total opening of twelve feet three inches. The work is divided by solid bronze columns into four panels, two permanent on the outside, and the two next the centre forming the doors.

Each panel is made in three parts, two of which swing on hinges like the leaves of a book. The front one is made of bronze and is stationary. The middle one is merely the frame to hold a great sheet of plate-glass. The back one is of steel, and in pattern is an exact duplicate of the bronze front. The designs in the panels have been adapted by Mr. Hunt from separate details in the palace of Louis XIV at Versailles. Right-angled upright bars form the framework for central metal work of great beauty and simplicity. Flowers and elaborate leaf-work are imposed upon the bronze and steel bars of the outer and inner grilles. The bronze ornaments upon the steel bars of the back grille are heavily plated with gold. The weight of each gate is about one and a half tons, and no hinges could properly carry it. The gates are therefere set upon pivots at the top and bottom, and the same method is employed in all the swings in the detail of the panels.

The bronze flower and leaf work is of the most elaborate and artistic quality.

Each large panel is to be glazed with a sheet of plate-glass of a pale amber color. The choice of stained-glass instead of pure crystal was made in order to avoid the necessity of hanging any curtains against such a piece of metal work. In the centre of each gate is an oval opening about two feet long containing a monogram of the letters "W. V." in carved bars of metal. These correspond to those in the ironwork of Louis XIV's chapel at Versailles. In the centre of the side panels are copies of the original medallions at Versailles, containing a child's head giving out sun rays, which typified the King's idea that all glory and radiance proceeded from his royal house, the child's head being a portrait of his son.

Over each panel is a rectangular piece of metal work elaborated in arabesques. Over the front of each gate is a lion's head. At each side of the panels, flanking the gates, fluted bronze columns rise from pediment to cornice. A garland of flowers is twined spirally about each column.

The weight of the whole thing is about ten tons. The work was started a little more than a year ago.

ADULTERATION IN PAINTS.

One of the most vital questions in the paint trade to-day, and one which ought to interest the architect as well as the master-painter, is the subject of adulteration in paints. This has been discussed, in its many phases, at the conventions of the master-painters' associations, and under the auspices of these societies careful tests and analyses of the various brands of colors have been made, with the startling result of discovering that many, which had been labelled "pure," were largely loaded with barytes and other adulterants. *Painting and Decorating* has been waging a vigorous war in the interest of purity of manufacture, and has taught the painters at large the value of carefully testing the white lead and colors which they buy. In this battle they have been ably seconded by some manufacturers who have always held to the doctrine that honesty is the best business policy, and that "pure" on a label should mean "pure" in the packages.

The National Lead Co., which is a trust composed of most of the leading corroders, by their widely-distributed little pamphlets have opened the eyes of the ultimate consumers, the property-owners, to the extent to which adulteration is practised, and Harrison Bros. & Co., who are probably the largest independent corroders of white lead in the country, as well as large manufacturers of colors, acids and chemicals, have been specially active in promulgating the doctrine, which they practice as well as preach, that "pure" means "strictly pure" and that the labels should be an exact statement of the contents of the packages. So long and so earnestly have they waged this that they have been dubbed "the Apostles of Purity," by their confrères in the trade.

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The time is approaching when many of our wholesale and retail stores — especially the latter — will be oppressive from want of proper ventilation, which the location, shape and size of the building seems to make it impossible to obtain. The health of the employer and employé will suffer. The

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spirits will lag and the force and vim necessary to push business in these competitive days will be wanting. To quote verbatim from the "Ode to the Sexton"

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BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

ALTERATIONS.

Brooklyn, N. Y. — *Boune St.*, n s, 50' e Richards St., one st'y brick forge-shop, slate and tin roof, one-st'y brick extension, slate and tin roof, and other alterations; cost, about $8,000; owners, J. H. Williams & Co., 9 Richards St.; architect, Wm. Field, 1030 Gates Ave.

Bridge St., s e cor. Sands St., three-st'y brick store and dwell., tin roof, raised one story, four-st'y brick extension, gravel roof; cost, $5,000; owners, L. & J. C. Burling, Sands and Gold Sts.; architect, Smith Riffingale, 61 Canton St.

East New York Ave., s e cor. Powell St., three-st'y frame hospital, tin roof, three-st'y frame extension, tin roof; cost, $3,000; owner, Lutheran Hospital; architect, W. H. Gaylor, 110 South Eighth St.

Washington Ave., No. 255, three-st'y brick dwell., tin roof, one-st'y brick extension, tin roof, and other alterations; cost, $3,326; owner, Joseph Del Risco, 235 Washington Ave.; architects, Parfitt Bros., Garfield Building.

Gates Ave., No. 1472, two-st'y frame store and dwell., tin roof, raised one story, three-st'y frame extension, tin roof, and internal and other alterations; cost, $3,500; owner, Dominick Dacey, 1472 Gates Ave.; architect, Ernest Dennis, 115 Bimrod St.

Evergreen Ave., n e cor. Greene Ave., three-st'y frame store and dwell., tin roof, internal alterations; cost, $5,000; owner, Mr. Smith, 1284 Bushwick Ave.; architect, Frank Holmberg, 1169 Broadway.

Greenpoint Ave., cor. Sutter St., one-st'y brick cistern-room for distillery, gravel roof; cost, $5,000; owner, H. B. Riggs, 26 Broadway, New York City.

Washington St., cor. Johnson St., Clarendon Hotel, six-st'y stone and brick hotel, gravel roof, to be made seven stories; cost, $6,500; owner, W. A. Husted, 388 Clinton Ave.; architect, J. G. Glover, 186 Remsen St.

Chicago, Ill. — Ira J. Mix, one-st'y addition, 129-133 Thirtieth St.; cost, $3,000.

F. Pautel, one-st'y addition, 3662 Marshfield Ave.; cost, $3,000.

The *Daily News*, new front, 123 Fifth Ave.; cost, $5,000.

O. N. Barrett, two-st'y addition, 2233 Calumet Ave.; cost, $3,000.

C. Miller, three-st'y addition, 439 California Ave.; cost, $5,500.

APARTMENT-HOUSES.

Chicago, Ill. — Jacob Weber, two-st'y flats, 1412 Harvard St.; cost, $3,000.

Henry Schmidt, two-st'y flats, 3031 Wallace St.; cost, $4,500.

W. Bigley, three-st'y flats, 3508-3510 Rhodes Ave.; cost, $10,000.

Werner Spengler, 2 three-st'y flats, 519-521 West North Ave.; cost, $11,000.

James Leonard, two-st'y flats, 3668 Michigan Ave.; cost, $3,000.

M. W. George, three-st'y flats, 6119 Stewart Ave.; cost, $8,000.

C. W. Skeglof, three-st'y flats, 1732 Brian St.; cost, $7,000.

Annie Schwartz, three-st'y flats, 1644 Wrightwood Ave.; cost, $5,000.

Illinois Steel Co., 4 four-st'y flats, Eighty-seventh St. and Mackinaw Ave.; cost, $10,000.

Charles Johnson, two-st'y flats, 765 Seymour St.; cost, $3,000.

Otto Haas, three-st'y flats, 441 North Ashland Ave.; cost, $8,000.

Sarah J. Waters, three-st'y flats, 828 West Indiana St.; cost, $7,000.

Joseph Res, three-st'y flats, 923 Van Horn St.; St.; cost, $4,000.

Mrs. Henderson, two-st'y flats, 28 Mayfair St.; cost, $6,000.

Mrs. A. Charles, three-st'y flats, 840 West Congress St.; cost, $7,500.

Fred Peterson, four-st'y flats, 57 Locust St.; cost, $8,000.

Ignatz Waytalewicz, three-st'y flats, 67 North Heenan St.; cost, $5,000.

Patrick Keating, two-st'y flats, 3729 Union Ave.; cost, $3,000.

Annie Tate, two-st'y flats, 6322 Evans Ave.; cost, $3,000.

H. G. Peters, three-st'y flats, 618 South Ashland Ave.; cost, $5,000.

John Cuzia, four-st'y flats, 1492 Twenty-second St.; cost, $7,000.

John Earll, three-st'y flats, 4600-4602 Wentworth Ave.; cost, $15,000.

Andrew Brown, three-st'y flats, 987 North California Ave.; cost, $3,000.

W. B. Howard, three-st'y flats, 1351-1353 Wabash Ave.; cost, $5,000.

Charles Hoffmann, four-st'y flats, 141 West Ohio St.; cost, $8,000.

George B. Uff, 2 three-st'y flats, 4735-4737 Evans Ave.; cost, $20,000.

P. F. Ryan, 2 three-st'y flats, 5473-5475 Lake Ave.; cost, $17,000.

John S. Thomas, 4 four-st'y flats, 6009-6015 Madison Ave.; cost, $60,000.

August Boening, four-st'y flats, 359 West Erie St.; cost, $8,000.

Michael Brennan, three-st'y flats, 1033 North Clark St.; cost, $9,000.

John Harmezinski, two-st'y flats, 678 Dickson St.; cost, $4,400.

Fritz Witt, two-st'y flats, 786 Dudley St.; cost, $3,000.

S. Pain, three-st'y flats, 150 Colorado Ave.; cost, $3,000

Michael Weza, two-st'y flats, 907 James Ave.; cost, $3,300.

John Mooney, four-st'y flats, 1308 Wabash Ave.; cost, $7,000.

O. S. Jansen, three-st'y flats, 594 West North Ave.; cost, $5,000.

C. Holtz, three-st'y flats, 142 Racine Ave.; cost, $6,000.

CHURCHES.

Chicago, Ill. — The Lutheran Concordia Church, church, 66-70 Belmont Ave.; cost, $18,000.

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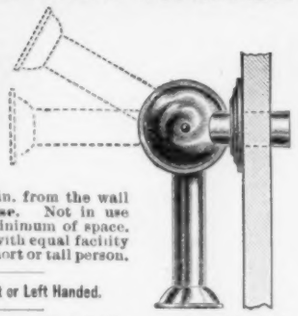

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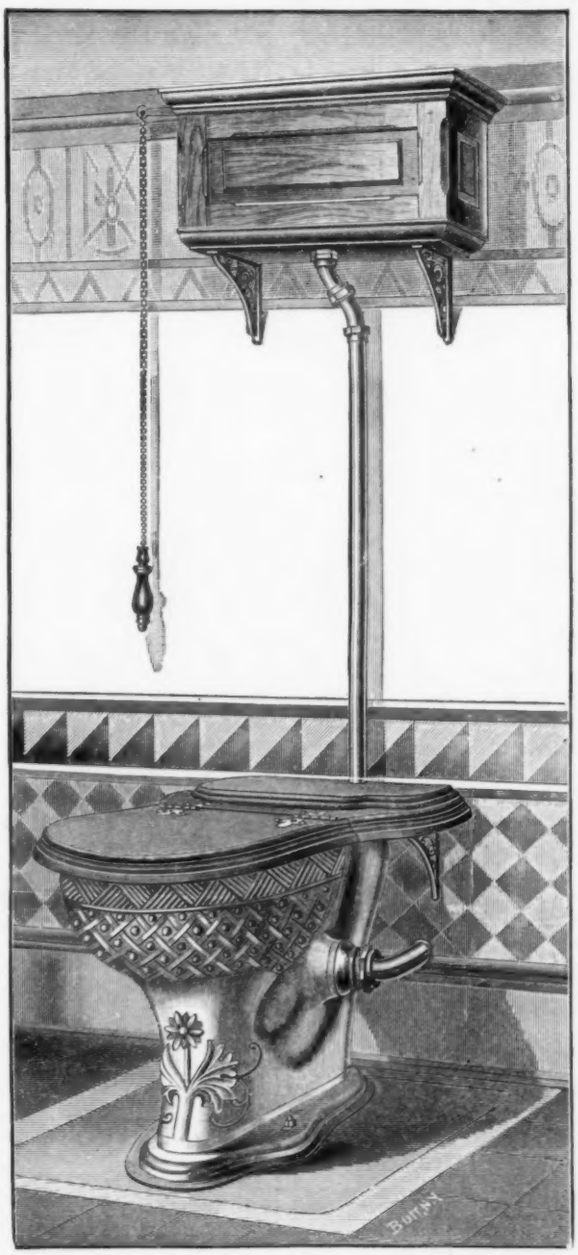

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Howard Ave., cor. Brookford St., Ward 20, frame dwell., 26′ x 32′; owner, T. A. Hagerty; builder, M. J. O'Brien.

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Moreland St., Nos. 85-87, Ward 21, two frame dwells., 22.2′ x 60.4′; owner, Margaret A. Davling; builder, H. A. Hart.

Lanark Road, near Beacon St., Ward 25, frame dwell., 39.7′ x 43.4′; owner, Dana Estes; builder, J. H. Proctor.

Argyle Road, cor. Cheswick Road, Ward 25, frame dwell., 44′ x 50′; owner, J. T. Brown; builder, W. A. Clapp.

Unnamed Pl., off Pratt St., Ward 25, frame dwell., 25′ x 31.6′; owner, H. N. Longfellow; builder, T. A. Sanford.

Parker St., near Dorchester Ave., Ward 24, three-st'y frame dwell., flat roof, 22.6′ x 42′; owner, J. Brennan; builder, T. Desmond.

Western Ave., near Richardson St., Ward 25, 2 three-st'y frame dwells. and a store, flat roofs, 22.6′ x 61′ and 28′ x 50′; owner, Margaret Sullivan.

Tremont St., near Newton Line, Ward 25, frame dwell., 22′ x 33′; owner, John McDonald; builder, T. W. Brennan.

Lawrence Ave., No. 25, Ward 24, frame dwell., hip roof, 26′ x 40′; owner, Wm. Phipps, builder, S. Giot.

Elm Lawn, cor. Centre St., Ward 24, frame dwell., 29′ x 44′; owner, C. H. Streeter; builder, F. O. Merrill.

Proctor St., near Walter St., Ward 23, frame dwell., 26.3′ x 47′; owner, James Wilson; builder, Thomas Tafts.

Sheldon St., near Ashland St., Ward 23, frame dwell., 23.6′ x 31′; owner, Charles Williams; builder, W. Chappelle.

Minden St., No. 122, Ward 22, three-st'y frame dwell., flat roof, 25.4′ x 44.4′; owner, W. H. Hay; builder, Walter Curley.

Dorset St., No. 22, Ward 15, frame dwell., 24.6′ x 44′; owners and builders, Curtis & Ham.

Fairview St., near Brookfield St., Ward 23, frame dwell., 25′ x 47.6′; owner, Edmond Donlan; builder, Frank Avery.

Leyden St., near Breed St., Ward 1, three-st'y frame dwell., flat roof, 21′ x 30′; owner, Bartlett Puffer; builders, Parker & Robbins.

Moreland St., near Dennis St., Ward 20, 2 three-st'y frame dwells., flat roofs, 20.6′ x 59.3′; owner and builder, H. H. Newcomb.

Chelsea, Mass. — *Gardner St.*, frame dwell., 28′ x 44′; owner, I. K. Phemister; architects, Loring & Phipps, Boston.

Dorchester, Mass. — *Roslin St.*, frame dwell., 35′ x 36′; owner, Mrs. Mary C. Hartford; builders, J. H. Burt & Co.; architect, Edwin J. Lewis, Jr., Boston.

Wales St., frame dwell., 30′ x 35′; owner, Chas. H. Fiske, trustee; builder, Simon L. Sulis; architect, Edwin J. Lewis, Jr., Boston.

Roslin St., frame dwell., 44′ x 52′; owner, William H. Preston; architect, Edwin J. Lewis, Jr., Boston.

Milton, Mass. — *Russell St.*, frame dwell., 43′ x 44′; owner, H. C. Gallagher; builders, J. H. Burt & Co.; architect, Edwin J. Lewis, Jr., Boston.

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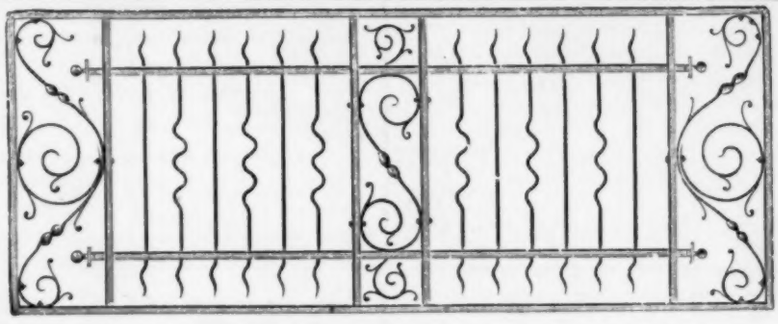

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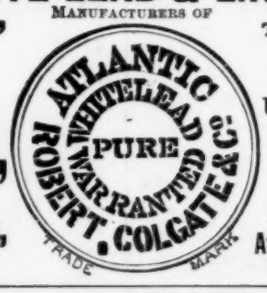

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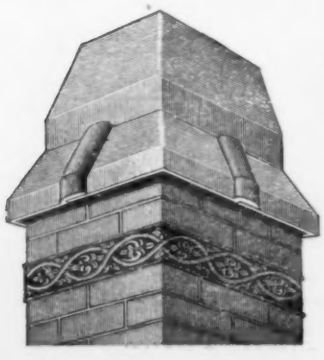

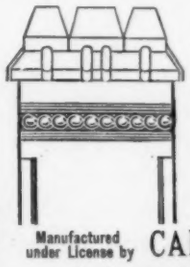

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VOL. XXXVI. * REGULAR EDITION * NO. 855.

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ILLUSTRATIONS.

HOUSE OF J. H. HANNAN, BROOKLYN, N. Y.
[Gelatine Print issued with the International and Imperial Editions only.]

COMPETITIVE DESIGN FOR THE CATHEDRAL OF ST. JOHN THE DIVINE, NEW YORK, N. Y.
THE BUILDING FOR THE POSTAL TELEGRAPH CABLE CO., NEW YORK, N. Y.
CHATEAU DE MARTAINVILLE, FRANCE.

Additional Illustrations in the International Edition.

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[Photogravure.]
FIREPLACE IN THE COUNCIL CHAMBER OF THE HOTEL DE VILLE, COURTRAI, BELGIUM.
[Gelatine Print.]
BANK BUILDING, FRANKFORT, GERMANY.
[Gelatine Print.]
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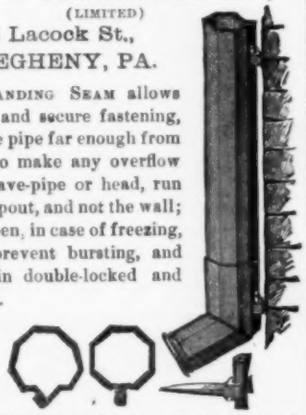

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Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
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Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar split ₱ M.	@	@	*Not sold.*	24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
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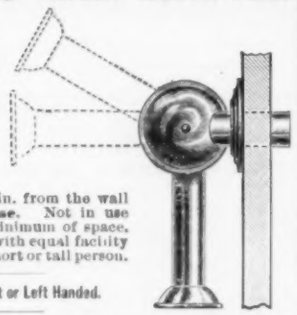

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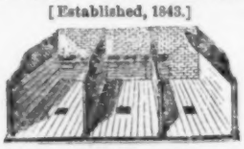

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Croton, Brown	@ 13 00	Philadelphia 40 00 @ 45 00		Pressed 18 00 @ 20 00
" dark	@ 14 00			Best Paving @ 14 00
" red	@ 14 00	Phila. mould 50 00 @ 80 00		Second " @ 13 00
Chicago pressed (Anderson)			15 00 @ 27 00	Third " @ 12 00
" Moulded		Anderson 14 00 @ 32 00	65 00 @ 350 00	
Baltimore	37 00 @ 41 00		@ 55 00	Dom. @ 65
Philadelphia	23 00 @ 24 00		45 00 @ 50 00	@ 80
Trenton	22 00 @ 23 00		45 00 @	
Milwaukee			25 00 @	
Moulded:			60 00 @ 100 00	
Glens Falls Red Pressed	@ 37 00		30 @	
" " Buff "	@ 30 00		35 @	
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @ 100 00		@ 100 00	
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co. 1 05 @ 1 30	1 00 @ 1 25	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	2 90 @ 3 15	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 75 @ 4 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	@ 3 20	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	3 20 @ 3 40	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	@	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	2 75 @ 3 00	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	3 25 @ 3 50	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	*Not sold.*	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		2 75 @ 3 00	
" American (Saylor's)	2 15 @ 2 45	2 15 @ 2 50	2 75 @ 3 25	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	6 00 @ 7 00	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	9 00 @ 10 50	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50		8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush 25 @ 30
Hydraulic Lime	@ 1 45	@ 1 35		White Mash 1 25 @ 1 50
Chicago Lime in bulk		St. John 1 00	55 @	1 00 @ 1 00
Wisconsin Lime			60 @	
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 30	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ bush	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 4 8

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Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshohocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th.10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)		4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	5 00 @ 6 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" red	@ 10 00	@	6 25 @ 6 85	225 @ 4 00
" black, Lehigh	4 25 @ 4 75	@	7 30 @ 8 00	00 @ 4 65
" " Chapmans	@	@	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M.	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@		
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	39 @ 40	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	42 @ 43	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 37	51 @ 51	@ 44
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 5	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 10	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 5	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add* ¶5 *c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" ...(℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish ...(℔ pair.)	@ 65	@ 50	*Not Sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards.)	@ 10	@ 10	@ 12	@ 1 00
Ebony	@	@	@	@ 35
Apple wood	@	@	@	37 @ 1 00
Knobs: (℔ *set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not Sold.*
Hemacite	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, silvered	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:	@	@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 7½	@ 7	@ 6½
Lead Pipe	@	@ 6½	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 36 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ½, ¼, ½ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2⅝-10

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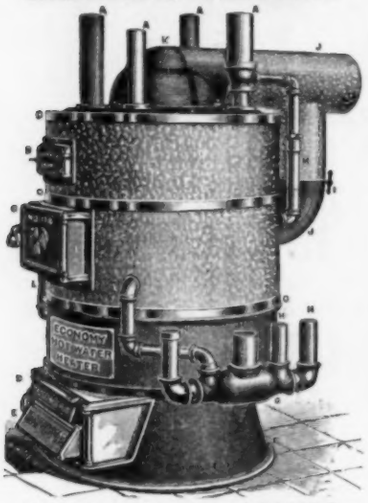

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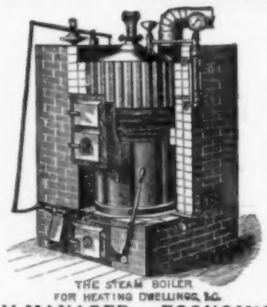

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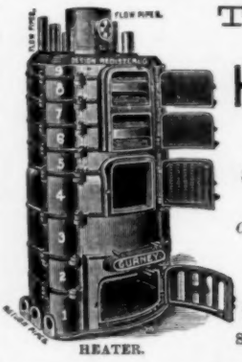

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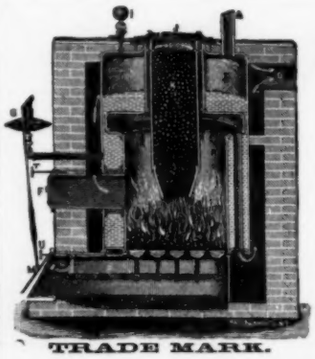

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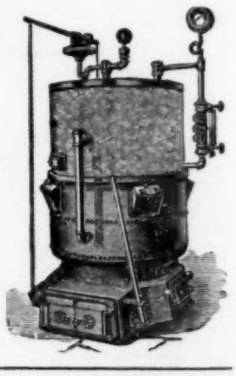

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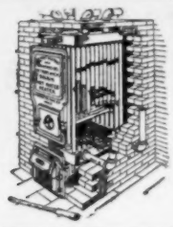

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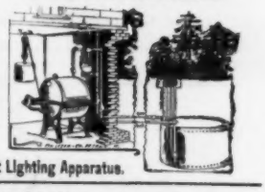

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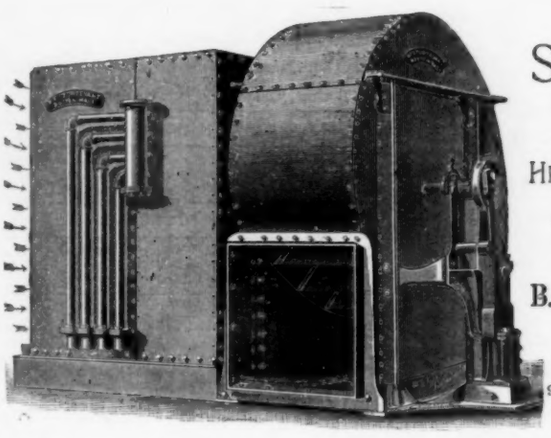

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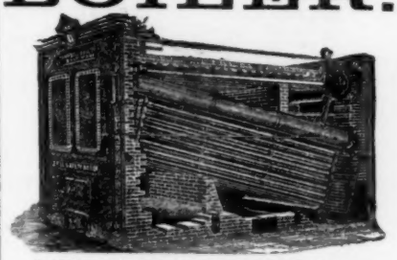

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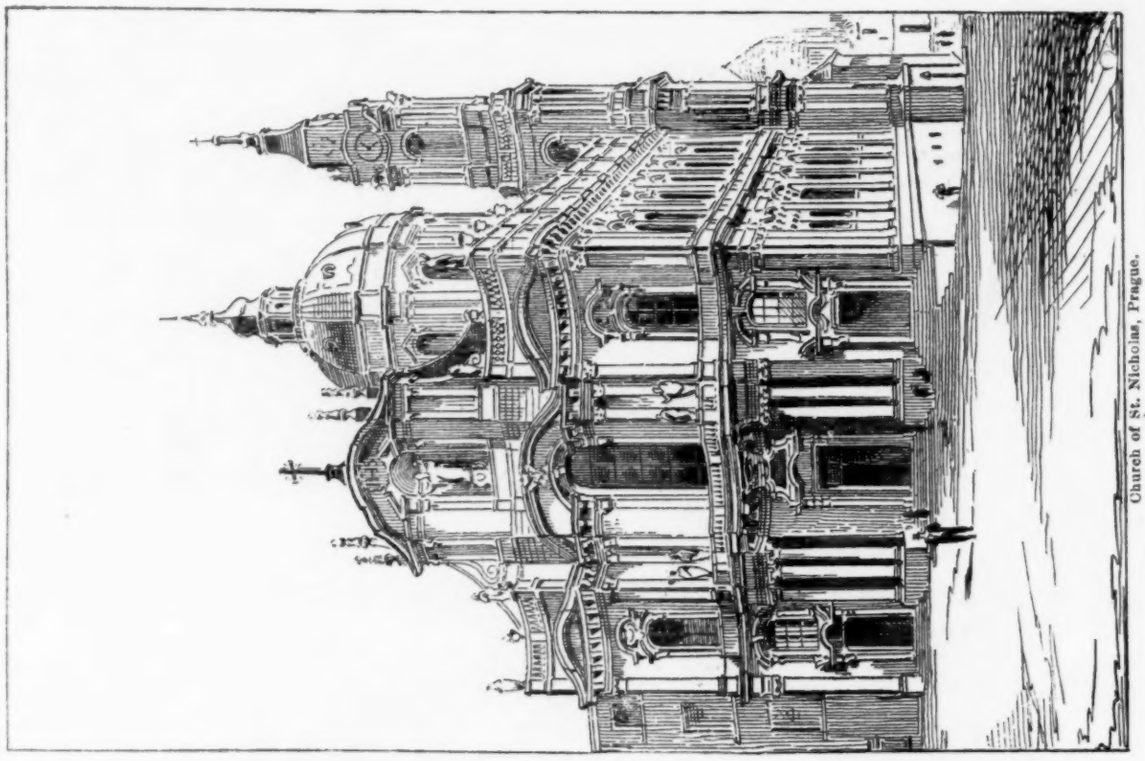

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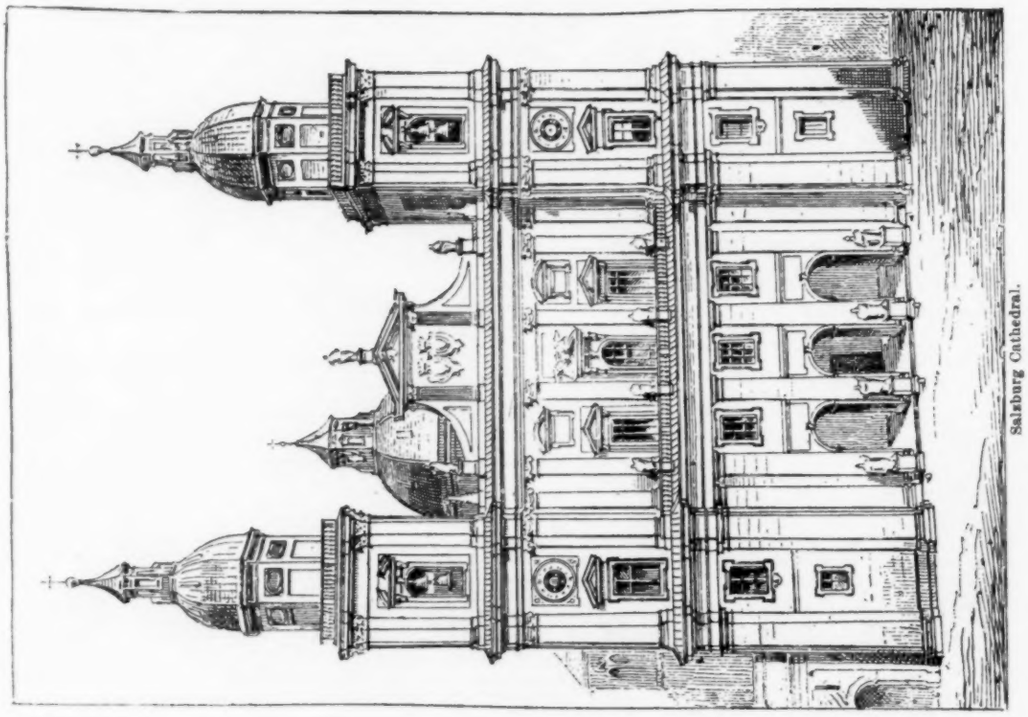

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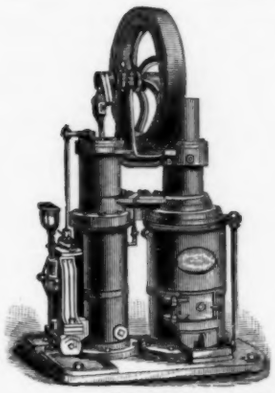

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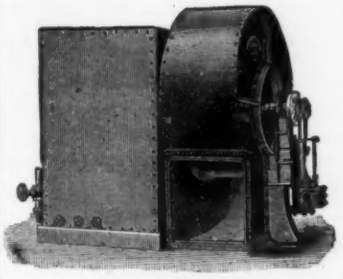

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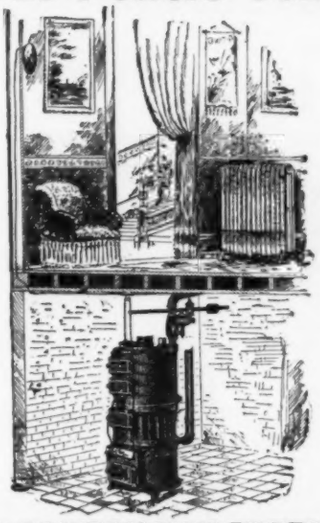

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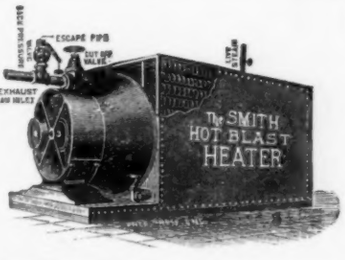

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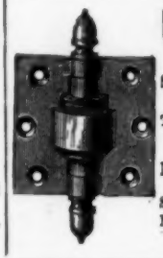

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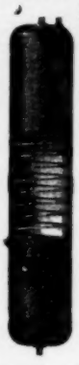

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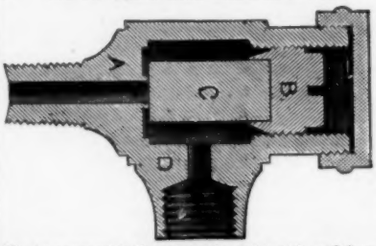

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There is nothing new in this but the fact that an architect writes for a painters' trade paper and sets before painters their duty and privilege; their duty, to follow the specifications; their privilege, exemption from consequences.

This seems to us well put and valuable; but to suggest a more effectual way to read the result. Explain to contractor and sub-contractor on every occasion just what their relation is to the work. They are not good readers; talk with them.

There is nothing like talking with men, to influence them. Print is like preaching; they hear or read and assent, but it does not affect them. Personal contact and earnest talk will win them.

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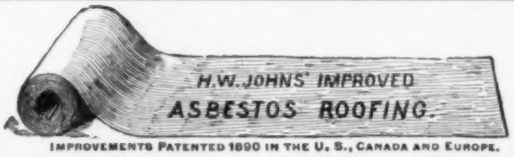

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The American Architect and Building News

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For the American Architect and Building News Co.

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New Advertisements.

GURNEY HOT-WATER HEATER CO. (Boston, Mass.), Hot-Water Heaters. Page xix.
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FISKE, COLEMAN & CO (Boston, Mass.), Brick Ashlar. Page xx.

WANTED.

DRAUGHTSMAN.— Wanted, an architect's assistant, one who has good knowledge of draughtsmanship, detail and perspective. Address Architect, P. O. Box 265, Halifax, N. S. 855

WANTED.

POSITION.—First-class architectural draughtsman wishes employment in New York office. Address "H.," 153 West Seventieth St., New York. 858

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DRAUGHTSMAN.—Wanted, an experienced architectural draughtsman; must be quick at perspective and familiar with detail-work. Address Otis Dockstader, Architect, Robinson Building, Elmira, N. Y., giving references and terms. t.f.

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DRAUGHTSMAN.— Wanted, a draughtsman for general office-work. Address, stating experience and salary expected, A. B. Tower, Holyoke, Mass. 855

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POSITION. — Wanted, a position as draughtsman; have had three years' experience at general office work. Address H. R. Hayden, Jr., 77 Pearl Street, Hartford, Conn. t.f.

FOR SALE.

FOR SALE. — Paris Exposition number of *London Engineering*, May 3, 1889, containing 103 pages, fully illustrating and describing all buildings. Price, $5 with order. Address F. A. Peckham, Mgr. Western Branch *Engineering News*, Chicago. 855

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TO ARCHITECTS.

FRANCIS H. CRUESS, architectural artist, is prepared to receive from architects their designs to render in pen-and-ink, monochrome or water-colors. Address 206 North Second Street, Harrisburg, Pa. t.f.

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BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

472,977. Dividers. — John W. Beaman, Mount Ayr, Iowa.
472,981. Smoke-Consumer. — William H. Burden, Cleveland, Ohio.
472,985. Blind-Stop.—Wallen S. Deats and Daniel Brown, Laredo, Texas.
473,012. Hinge.—James H. Moore, Nashua, N. H.
473,920 Method of Corrugating Pipes. — William J. Plecker, Peoria, Ill.
473,036. Elevator. — William Veenschoten, Hornellsville, N. Y.
473,055. Boiler.— George and James R. Bolton, Detroit, Mich.
473,056. Governor for Heaters. — Charles B. Bosworth, Everett, Mass.
473,062. Lead-Trap. — John Dellinger, Buffalo, N. Y.
473,098. Weather-Board Gauge. — Robert A. Underwood, Chattanooga, Tenn.
473,109. Steam or Hot-Water Generator. — Daniel A. Dickinson, St. Paul, Minn.
473,116. Lumber-Drier. — John C. Hay, Kinston, N. C.
473,121. Electrical Annunciator.—Thomas W. Lane, Boston, Mass.
473,125. Lock.—Benjamin Piers, Xenia, Ohio.
473,126. Latch.—Benjamin Piers, Xenia, Ohio.
473,128. Portable Roof. — Edmund Rankin, Jr., Lincoln, Ill.
473,129. Sash-Balance. — James W. Sheppard, Rochester, N. Y.
473,137. Sash-Holder. — John G. Allbright, Boston, Mass., and Wm. B. Allbright, Chicago, Ill.
473,175. Hinge.— Howard S. Hart, New Britain, Conn.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING APRIL 29, 1892.

From Antwerp. — Steamer "*Chicago*," 6 barrels cement, order. Steamer "*Rhynland*," 3,550 barrels cement, order.

From Bahia.—Steamer "*Vigilanica*," 120 logs wood, Herbst Bros.

From Bremen. — Steamer "*Darmstadt*," 2,184 casks cement, 1,000 barrels do., order.

From Bristol.—Steamer "*Orkla*," 52,000 bath-bricks, 2,000 cases do., Hammill & Gillespie.

From Genoa.—Bark "*Esperia*," 83 blocks marble, G. Amsinck & Co.; 765 slabs do., Taber & Co.

From Glasgow.— Steamer "*State of California*," 42 barrels enamelled bricks, Chas. R. Weeks & Bros.; 19 cases stone, H. P. Binswanger; 11 blocks do., G. P. Sherwood; 22 cases granite, New York Granite Co.; 189 do., Austin, Baldwin & Co.

From Hamburg. — Steamer "*Sorrento*," 300 tons crude asphalt, Sicilian Asphalt Co.; 1,500 barrels cement, order.

From Havana. — Steamer "*Alert*," 459 bags asphaltum, J. M. Ceballos & Co.

From Havre. — Steamer "*La Touraine*," 17 cases marble, Merchants' Despatch Co. Steamer "*Prodana*," 5 logs hard wood, order.

From Hull. — Steamer "*Egyptian Monarch*," 184 casks bricks, Meeker & Carter; 463 tons cliff stone, Sanderson & Son.

From Laguna. — Schooner "*Josephine*," 757 logs cedar, 1 log mahogany, 2 log ends do., Wm. Wicks & Co.

From Liverpool. — Steamer "*Germanic*," 60 elm planks, H. Maitland Kersey.

From London.—Steamer "*Manitoba*," 1,000 casks cement, Hammill & Gillespie; 1,600 do., Chas. J. Stevens; 500 do., Bank of British North America; 1,050 do., order. Steamer "*Tower Hill*," 1,000 casks cement, E. Thiele; 1,000 do., C. J. Stevens; 1,930 do., order. Steamer "*Canada*," 1,100 casks cement, Marcial & Co.; 1,600 casks cement, 1 case do., C. J. Stevens; 140 drums do., 1,000 casks do., order.

PATENTS

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See the first issue of the month for the following advertisements.

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J. B. Shannon & Sons.
E. Thiele.
A. B. & W. T. Westervelt.

IMPORTS OF BUILDING MATERIALS, Etc.

From Marseilles. — Steamer "*Hindostan*," 500 barrels cement, Jas. Brand.

From Port Spain.—Bark "*Saraca*," 1,047 tons asphalt, West India Asphalt Co.

From Rotterdam. — Ship "*Camelia*," 2,500 casks cement, E. Thiele. Steamer "*Veendam*," 500 casks cement, M. Ebert.

From Santa Cruz, Cuba.—Bark "*Noah*," 1,937 logs cedar, order.

From Santiago de Cuba. — Steamer "*Cienfuegos*," 21 logs mahogany, order.

From Stettin. — Steamer "*Italia*," 6,000 casks cement, order.

From St. John, N. B. — Schooner "*Ella Maud*," 1,808 barrels lime, Scammell Bros.

From Swansea. — Steamer "*Oakla*," 3 casks firebricks, order.

From Teculutta, Mex.— Brig "*Stacy Clark*," 341 logs mahogany, 56 ends do., G. Amsinck & Co.

From Vera Cruz. — Steamer "*City of Washington*," 160 blocks marble, E. Zarang & Co.; 70 bags asphalt, Seeger & Guernsey Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Andover, Mass.— Alteration and addition to stable, with new carriage-house; owner, Mrs. R. B. Mills; architect, J. F. Eaton, Boston.

Asbury Park, N. J. — Exterior and interior alterations and additions to Hotel Asbury; owner, W. W. McChesney.

(*Continued on page* xv.)

FACTS ABOUT

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EXPERIMENTS.

Most achievements are the results of experiments. It is so with Hard Oil Finish. There are many things necessary, however, in achieving a success, among the most valuable of which are, patience and experience, and we possessed both when we conceived the idea of Hard Oil Finish.

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Pays for itself in decreased cost of Insurance — will not "sag" under the heaviest coats of mortar — ensures a perfect ceiling, free from cracks. Its fire-resisting qualities have been demonstrated in three public tests — detailed accounts of which will be mailed to any address upon request.

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TRENTON, N. J.

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Camden, N. J.—*Market St., No.* 508, alterations and additions to stove store-building; owner, A. Austermuhl, on premises.

Central Ave., No. 768, alterations to building; owner, Geo. M. Rice.

Haddon Ave., No. 3, alterations to building; owner, C. W. Lemworth.

Chicago, Ill.—W. H. Emerson, four-st'y addition, 1904 Wabash Ave.; cost, $5,000.

Dr. A. Brooks, one-st'y addition, 1625 Wabash Ave.; cost, $3,000.

Otto Asmus, two-st'y addition, 82 Ashland Ave.; cost, $3,000.

Ryan & Chambers, three-st'y addition, 7004 Stony Island Ave.; cost, $4,000.

John Clark, three-st'y addition, 69-71 Pine St.; cost, $7,000.

H. Rumsfield, one-st'y addition, 135-139 Oak St.; cost, $10,000.

Samuel Neis, two-st'y addition, 323 North Sangamon St.; cost, $3,000.

Fred Schraeder, two-st'y addition, 133-135 East Adams St.; cost, $10,000.

Philadelphia, Pa.—*Cumberland St.*, n s, s Armat St., addition to factory building; contractors, Thos. W. Wright & Son, 7 Harvey St., Germantown.

Waynesboro, Pa.—Improvements will be made to the Presbyterian Church, to cost about $3,000.

APARTMENT-HOUSES.

Brooklyn, N. Y.—*Greene Ave.*, s s, 140′ e Wyckoff Ave., three-st'y frame flat, tin roof; cost, $3,900; owner, Alexander Ebert, 310 Bushwick Ave.; architect, Ernest Dennis, 115 Himrod St.

Chelsea, Mass.—*Spencer Ave.*, three apartment-houses of three tenements each, three stories and flat roofs, each 27′ x 64′; owner, Wm. Grantman; contract to be let; architect, S. S. Woodcock, Boston.

Chicago, Ill.—E. L. Mackey, 2 two-st'y flats, Wright St., near Seventy-seventh St.; cost, $9,000.

Heaton & Owlsley, 4 four-st'y flats, 402-410 East Erie St.; cost, $30,000.

W. J. Simpson, two-st'y flats, 1481 Harrison St.; cost, $4,000.

S. Miller, 2 three-st'y flats, Webster Ave. and Burling St.; cost, $10,000.

Steven Blair, 2 three-st'y flats, 4552-4554 Oakenwald Ave.; cost, $10,000.

Thomas Hanson, three-st'y flats, 707 Maplewood Ave.; cost, $10,000.

Thomas A. Voorhees, two-st'y flats, 1114 Polk St.; cost, $4,000.

A. H. Potter, two-st'y flats, 4446 Champlain Ave.; cost, $6,000.

M. Malmke, 2 three-st'y flats, 5642 5644 Halsted St.; cost, $15,000.

William Hattendorf, three-st'y flats, 6801 Emerald Ave.; cost, $5,000.

Norah Chrisher, two-st'y flats, 6332 Sangamon St.; cost, $3,000.

Sarah Balaam, 3 two-st'y flats, 7211-7213 Greenwood Ave.; cost, $4,000.

Fannie M. Bradley, 2 four-st'y flats, 5317-5319 Washington Ave.; cost, $20,000.

J. P. Holligan, two-st'y flats, 1396 Jackson St.; cost, $4,500.

Mana Naler, two-st'y flats, 373 Washburn Ave.; cost, $3,000.

H. B. Balch, three-st'y flats, 513 South Oakley Ave.; cost, $5,000.

M. L. Teiman, 2 two-st'y flats, 3364-3266 Laurel St.; cost, $6,000.

C. Lindquist, two-st'y flats, 2356-2358 Paulina St.; cost, $3,500.

James P. Wheadon, 2 four-st'y flats, 71-73 La Salle St.; cost, $10,000.

Edward Hudson, 4 two-st'y flats, 278-282 Thirty-first St.; cost, $35,000.

Emil Sittinger, two-st'y flats, 3413 Union Ave.; cost, $4,500.

New York, N. Y.—*Eighth Ave.*, w s, 25′ s One Hundred and Nineteenth St., 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, John W. Stevens, 2117 Third Ave.; architects, Thom & Wilson, 1267 Broadway.

Eighty-seventh St., n s, 100′ e Avenue A, 3 five-st'y brick flats, tin roofs; cost, $78,000; owner, George Schreimer, 104 West One Hundred and Twenty-first St.; architect, John Hauser, 1441 Third Ave.

East Thirty-second St., Nos. 158-164, 3 five-st'y brick flats, tin roofs; cost, $54,000; owner, Jacob Schmitt, 971 Lexington Ave.; architect, Charles Rentz, 153 Fourth Ave.

One Hundred and First St., s s, 150′ w Columbus Ave., 4 five-st'y brick flats, tin roofs; cost, $72,000; owner, Wm. H. Hall, Jr., 227 Lenox Ave.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

Henry St., Nos. 51-53, 2 five-st'y brick flats, tin roofs; cost, $46,000; owners, Weil & Mayer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Forsyth St., No. 176, five-st'y brick flat, tin roof; cost, $23,000; owner, Louis J. Rosendorff, 279 Grand St.; architects, Schneider & Herter, 48 Bible House.

Jefferson St., n w cor. Water St., five-st'y brick flat, tin roof; cost, $27,000; owners, Maxwell & Dempsey, 173 East Ninetieth St.; architects, Schneider & Herter, 48 Bible House.

Jefferson St., s w cor. Cherry St., six-st'y brick flat, tin roof; cost, $32,000; owners, Maxwell & Dempsey, 173 East Ninetieth St.; architects, Schneider & Herter, 48 Bible House.

Henry St., No. 47, five-st'y brick flat, tin roof; cost, $22,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

Monroe St., Nos. 100-110, 5 five-st'y brick flats, tin roofs; cost, $115,000; owner, Benedict A. Klein, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Sixty-fifth St., n s, 50′ w Park Ave., six-st'y brick flat, tin roof; cost, $45,000; owners, Thomas McLoughlin & Co., 114 Third Ave.; architects, Thom & Wilson, 1267 Broadway.

CHURCHES.

Kutztown, Berks Co., Pa.—Over $8,000 have been subscribed for the new Lutheran church; architect, Rev. Dr. Harkey, pastor of the church.

McKeesport, Pa.—The congregation of St. Mary's will build, at a cost of about $50,000, a new church, convent and janitor's dwell.

Norristown, Pa.—*Elm St.*, cor. Swede St., church for the congregation of Trinity Reformed Church.

Seabright, N. J.—The Building Committee of the Methodist Church has awarded the contract for a new edifice to A. P. Cubberly at a cost of about $16,465.

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[At Chicago, Ill.]

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to the party whose design is accepted, and $100 to the party with design next of merit. Designs to be sent in not later than June 1, 1892, to Wm. Gardner, Chairman of Committee on Design, at 145 East Kinzie St., Chicago, Ill. 855

PROPOSALS.

CITY-HALL.
[At Brockton, Mass.]

Proposals for the furnishing of material and performing of all labor required for putting in and finishing the interior wood finish, the painting and finishing, plumbing and gas-piping, steam-heating, elevator, vault doors, brick heating ducts, iron staircase work, electric lighting, marble work, tile work and plate glass for new City-Hall now building in Brockton, Mass.; proposals to be directed to Ziba C. Keith, Mayor, and indorsed "Proposals for City-Hall." An approved bond will be required of the successful bidders.

All proposals must be in **on or before 6 P. M. May 30, 1892.**

The committee reserve the right to reject any or all proposals as the interests of the city may appear.

Plans and specifications may be seen at the office of W. L. Minor, Architect, Brockton, Mass.

W. L. MINOR,
For the Committee. 856

Treasury Department, Office Supervising Architect, Washington, D. C., May 7, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 7th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the trench excavations, foundations, cut-stone and brick work of the basement and area walls, also, furnishing and putting in place complete the iron columns in basement and the beams and girders for first story floor of the United States Post-office, etc., building at Worcester, Mass., in accordance with the drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Worcester, Mass. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Trench Excavation, Foundations, Cut-stone and Brick Work of Basement and Area Walls" or for "Iron Columns in Basement and First Floor Beams and Girders, etc. (as the case may be), for the United States Post-office, etc., building at Worcester, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect. 856

Treasury Department, Office of Supervising Architect, Washington, D. C., May 9, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 31st day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the pit and trench excavation and piling for foundations for the United States Post-office building at Washington, D. C., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Washington, D. C. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Trench and Pit Excavation and Piling for Foundations for the United States Post-office at Washington, D. C.," and addressed to W. J. EDBROOKE, Supervising Architect. 856

Treasury Department, Office Supervising Architect, Washington, D. C., May 5, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 3d day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the excavation, foundations, cut-stone work and brick-work of the basement and area walls, basement columns, first floor iron beams and wood joists, man-hole and sewer connection, for the United States Post-office building at Cedar Rapids, Iowa, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Cedar Rapids, Iowa. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Excavation, Foundations, Cut-stone Work and Brick Work of the Basement and Area Walls, etc., for the United States Post-office building at Cedar Rapids, Iowa," and addressed to W. J. EDBROOKE, Supervising Architect. 856

Treasury Department, Office Supervising Architect, Washington, D. C., April 29, 1892. Sealed proposals will be received at this office until two o'clock P. M. on the 27th day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating apparatus) of the United States Custom-house and Post-office building at Houlton, Me., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Houlton, Me. Each proposal must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Erection and Completion (except Heating Apparatus) of the United States Custom-house and Post-office building at Houlton, Me.," and addressed to W. J. EDBROOKE, Supervising Architect. 855

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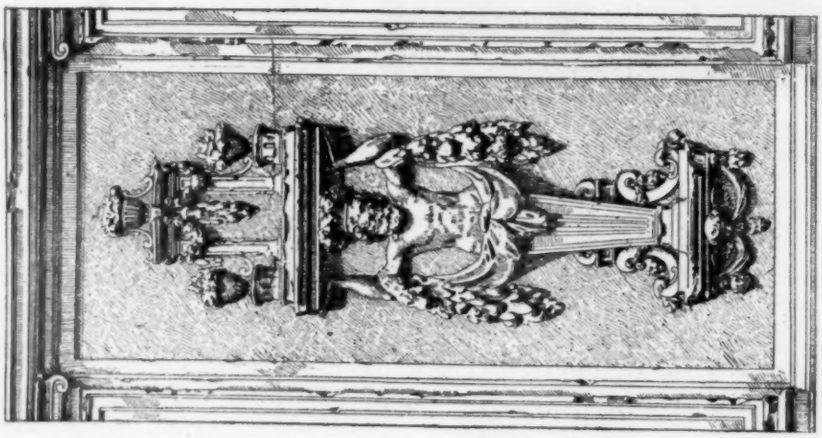
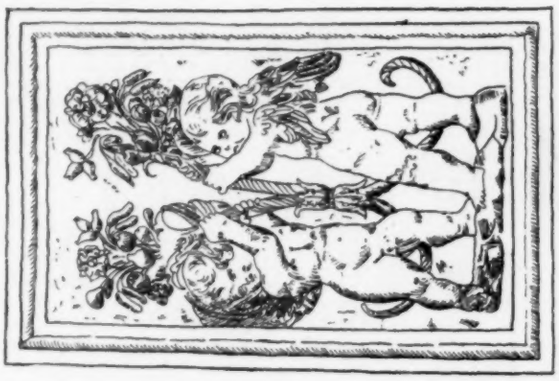
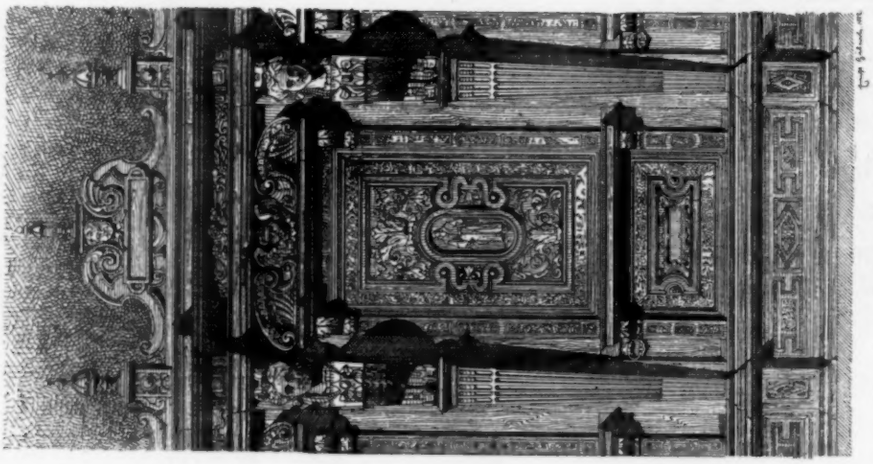


XVI Century. From the Cathedral of Laon, France.



From the North Door. Cathedral of Monreale, Sicily.



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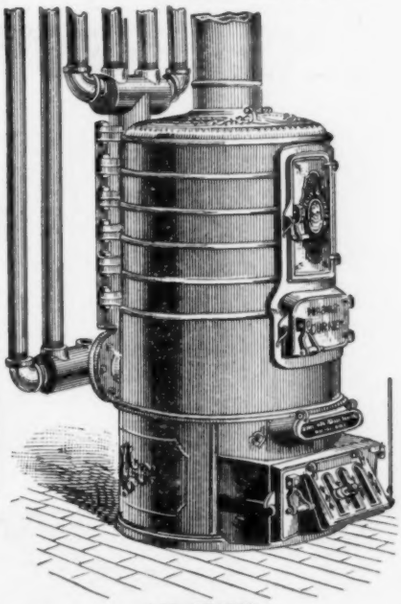

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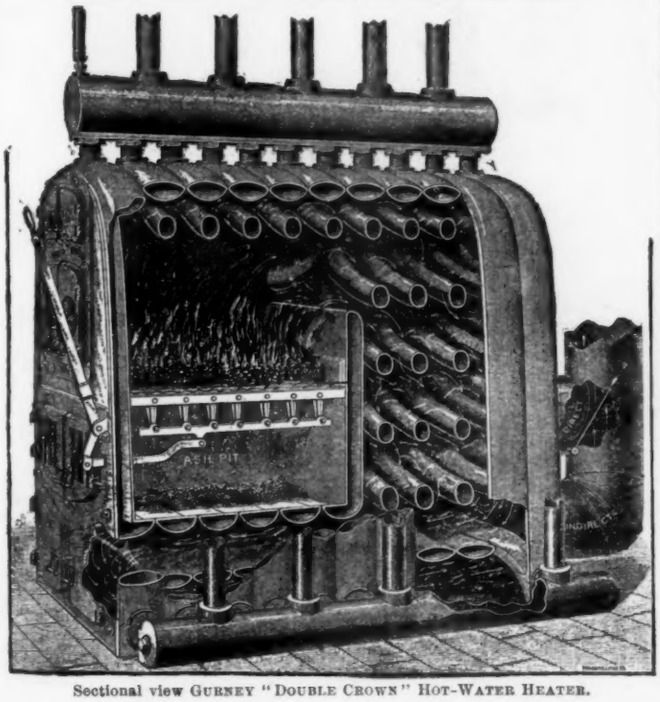

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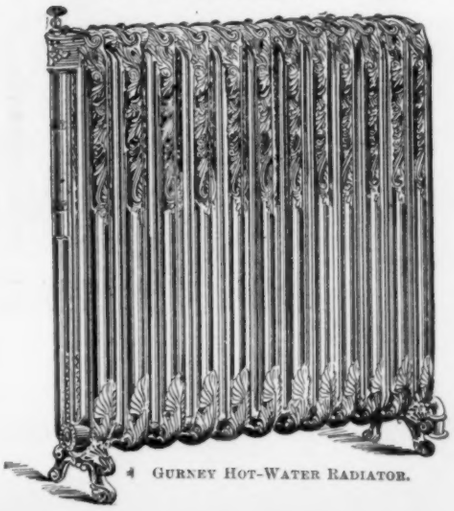

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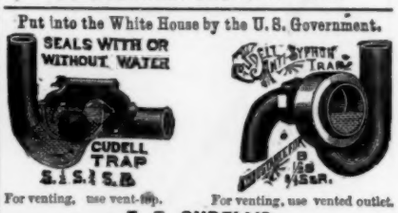

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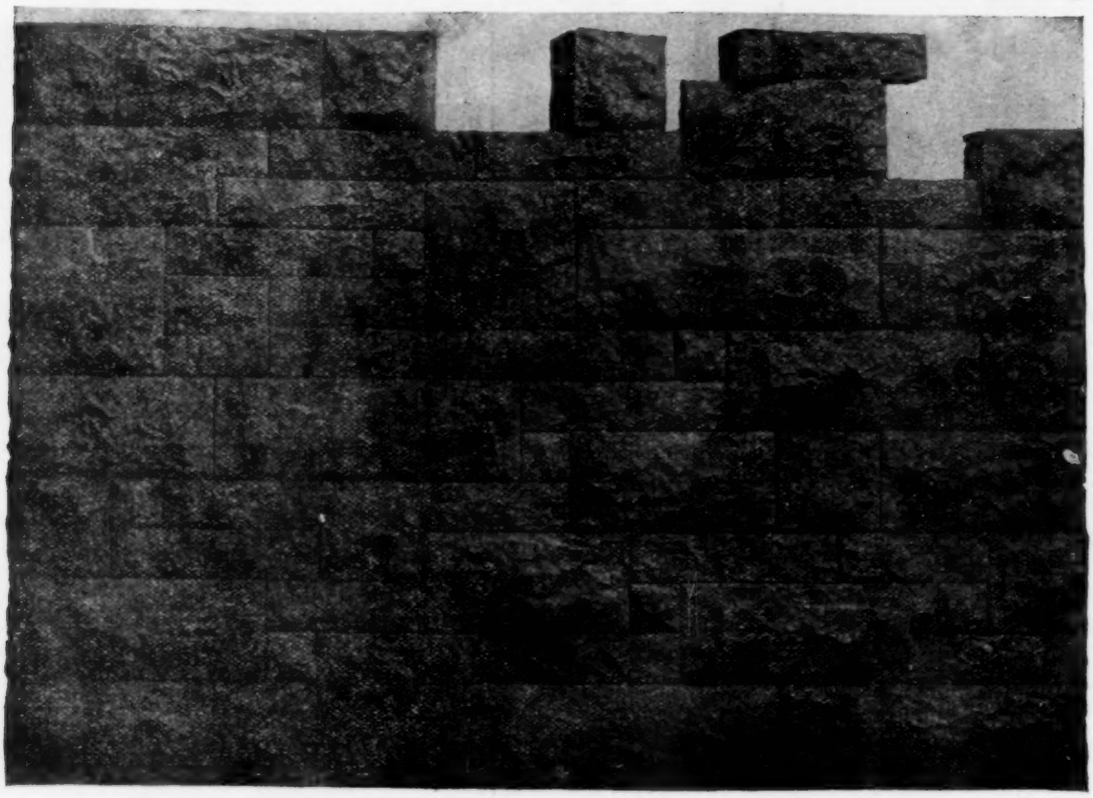

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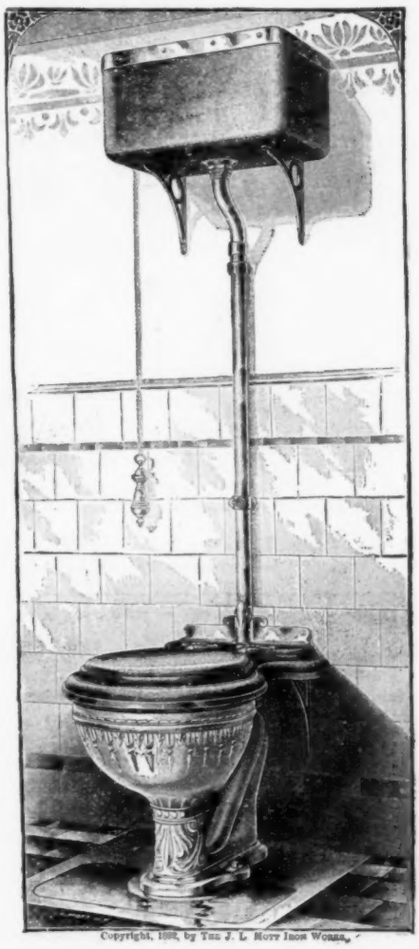

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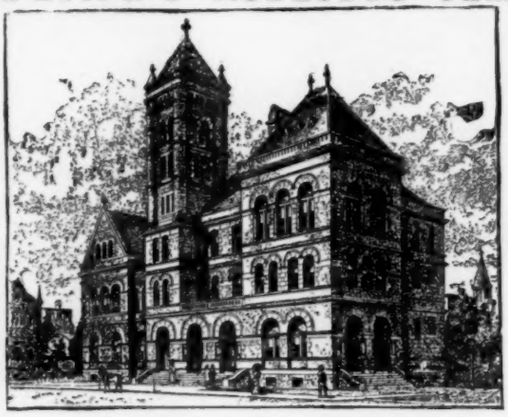

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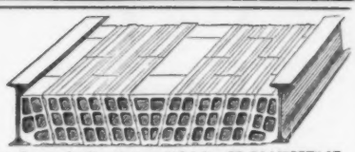
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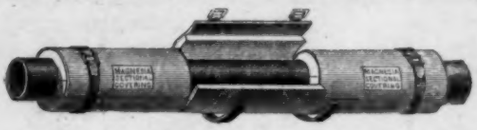

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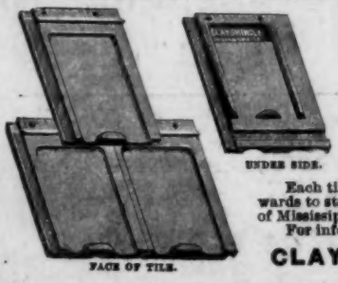

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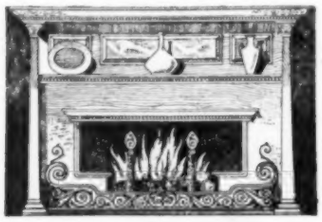

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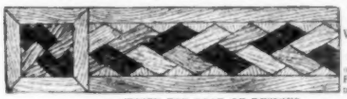

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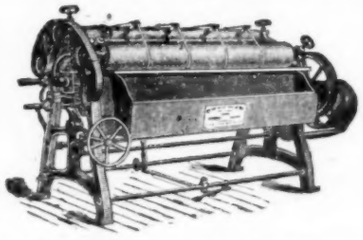

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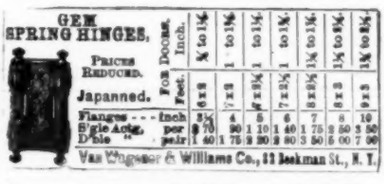

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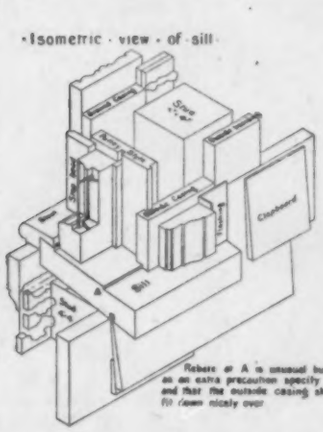

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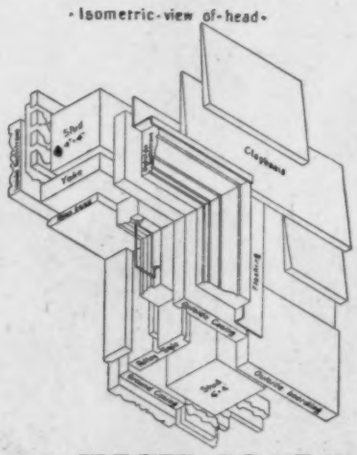

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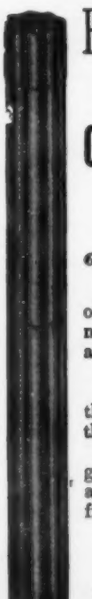

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LUMBER.—₱ M.	*(Wholesale Prices.)*		*(Prices to Builders and Contractors.)*	
Boards: *(Ordinary dimensions.)*				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	13 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	@ 2 50	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	30" $35 @ 40
Cedar split ₱ M.	@	@	*Not sold.*	24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split...7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P.10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. *(First Qual.*				
Ash *[Kiln-dried.)*	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 48 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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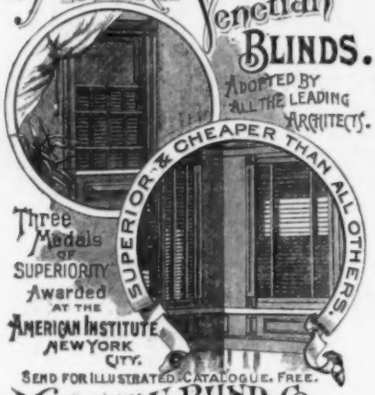

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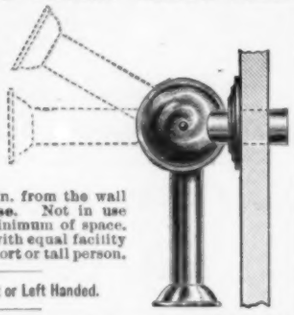

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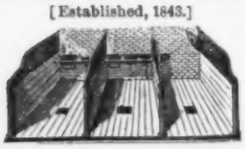

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	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
BRICK.—₱ M.				In Yard.
Common: *Cargo afloat.*				
Pale	2 00 @ 2 50	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25			" @ 7 00
Long Island	@ 6 00	Bay State Hard 7 00 @ 8 00		Salmon @ 5 00
Up River	5 25 @ 5 50	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Light Stretchers @ 10 00
" 1st	6 00 @ 6 25	Philadelphia 40 00 @ 45 00		Medium " @ 12 00
Hollow	@ 13 00	Phila. mould 50 00 @ 80 00		Red " @ 13 00
Fronts:				Dark " @ 13 00
Croton, Brown	@ 13 00	Anderson 14 00 @ 32 00	15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark	@ 14 00		65 00 @ 350 00	Best Paving @ 14 00
" red	@ 14 00		@ 55 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 12 00
" Moulded			45 00 @	
Baltimore	37 00 @ 41 00		25 00 @	
Philadelphia	23 00 @ 24 00		60 00 @ 100 00	
Trenton	22 00 @ 23 00		30 @	
Milwaukee			35 @	
Moulded:			55 00 @ 65 00	
Glens Falls Red Pressed	@ 37 00			
" Buff "	@ 30 00		@ 100 00	Dom. @ 65
" " Moulded Red & Buff	45 00 @ 70 00		@ 120 00	@ 85
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @ 100 00			
Enamelled (edge and end)	90 00 @ 115 00			
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 80 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	1 75 @ 2 00	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush 25 @ 30
Hydraulic Lime	@ 1 45	@ 1 35		White Mash 1 25 @ 1 50
Chicago Lime in bulk		St. John 1 00	55 @	1 00 @ 1 00
Wisconsin Lime			60 @	
Rockland and Rockport, (Com.)	@ 90	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 1 10	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush.*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				75 @ 90
Bedford	45 @ 1 25	95 @ 1 00	50 @	Richmond
Joliet	@ 1 00		35 @ 55	75 @ 1 50
Lemont	@		35 @ 60	₱ Perch @ 45
Serpentine	@	10 50 per ton	@ 1 00	

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Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (℔ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Ruthland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	} 50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am ... ℔ M	@	@	*Not Sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	40 @ 41	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	43 @ 44	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 37	51 @ 51	@ 44
Varnish, coach	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting ℔ cwt.	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) ℔ cwt.	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am ℔ cwt.	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 40	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4″ x 4″ ... (℔ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.) @ 90
Plain	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Acorn, Japanned	@ 65	@ 50	*Not Sold.*	48 @ 50
Ball Tip, Boston Finish ... (℔ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Bronze metal	@ 10	@ 10	@ 12	@ 1 00
Brass (for cupboards.)	@	@	@	@ 35
Ebony	@	@	@	37 @ 1 00
Apple wood				
Knobs: (℔ *set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not Sold.*
Lava	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Hemacite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, solid	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6¾
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe				
Iron:	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, up to and including 36 ft.	@	@	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
Channel Beams				

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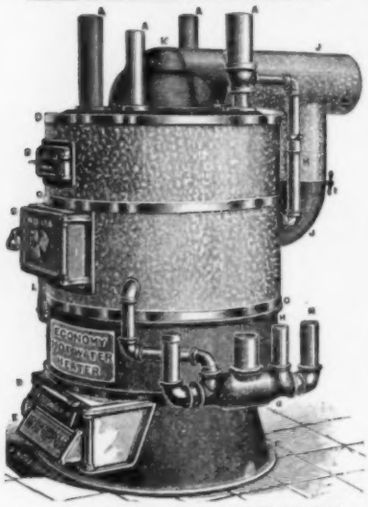

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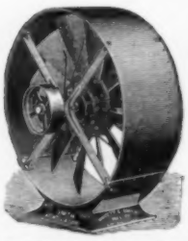

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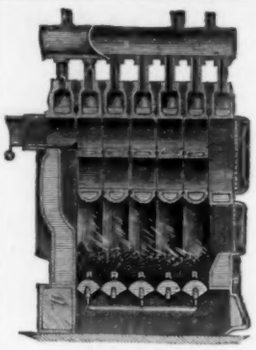

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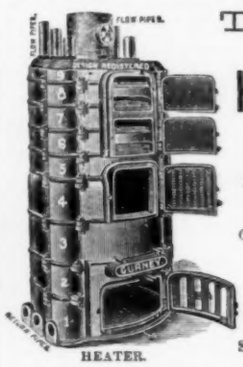

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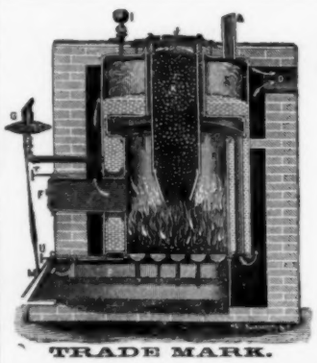

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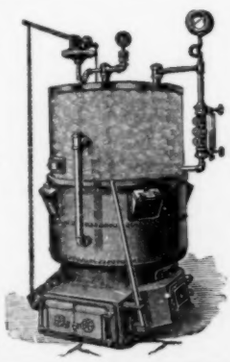

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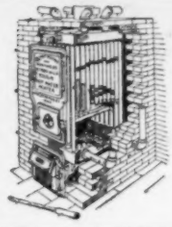

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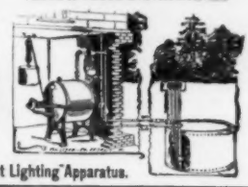

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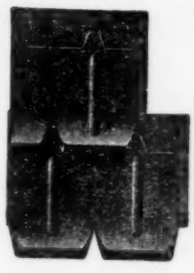

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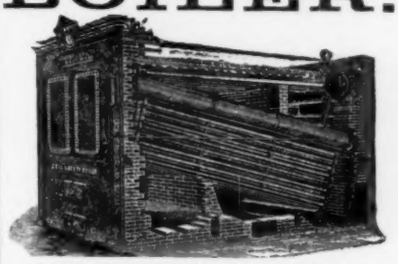

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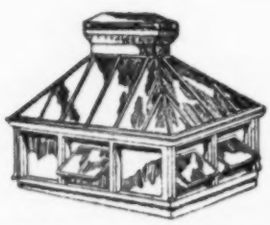

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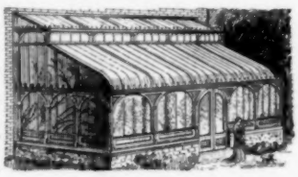

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Paper.	Number of subjects contributed.	Number of contributing architects.	Towns in which contributors were established.	States in which contributors were established.
No. I. . . .	214	109	28	16
No. II. . .	137	78	21	15
No. III. . .	118	56	16	11
Am. Architect.	207	152	47	24

In the first column, "subjects," only actual domestic work is included (foreign work, imaginative designs and the work of sketch-clubs are excluded), and the figures there given indicate that this number of designs might have been prepared by the same number of architects practising in the same number of different towns. The remaining columns show how nearly this ideal distribution has been reached in each case.

Architects practising in the State of publication furnished				
Subjects.	Per cent of total number of subjects.	Different architects contributing.	Per cent of total number contributing architects.	Towns.
161	.752	75	.688	7
46	.335	24	.307	2
70	.593	22	.392	1
73	.273	39	.256	3

From this table it appears that Massachusetts architects—.256 per cent of the total number of contributors—provided only .273 per cent of the total number of designs published, percentages which, in view of the fact that Massachusetts is one of the most populous States in the Union, prove that they have not been accorded an unreasonable amount of our limited space.

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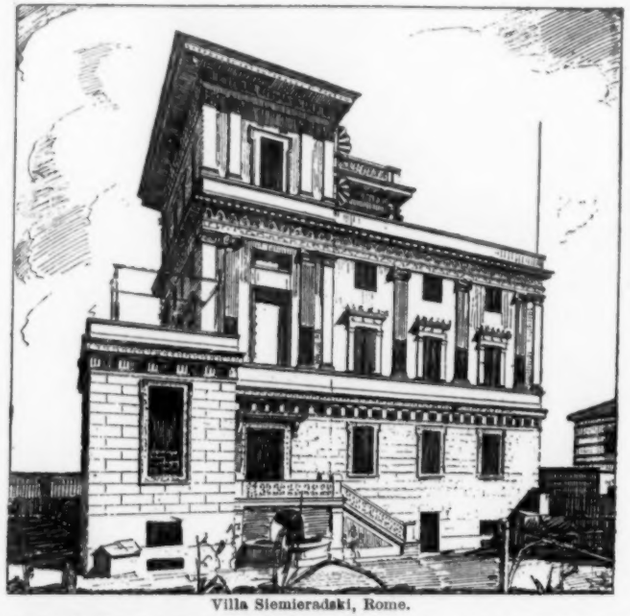

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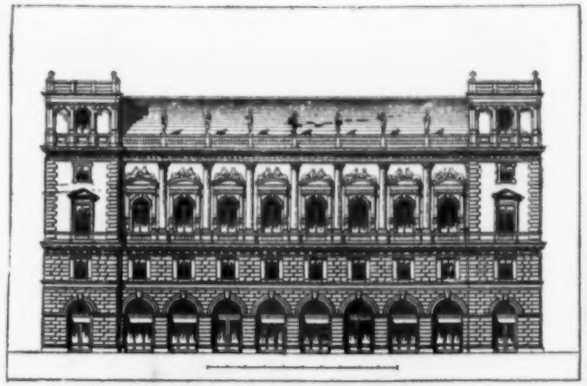

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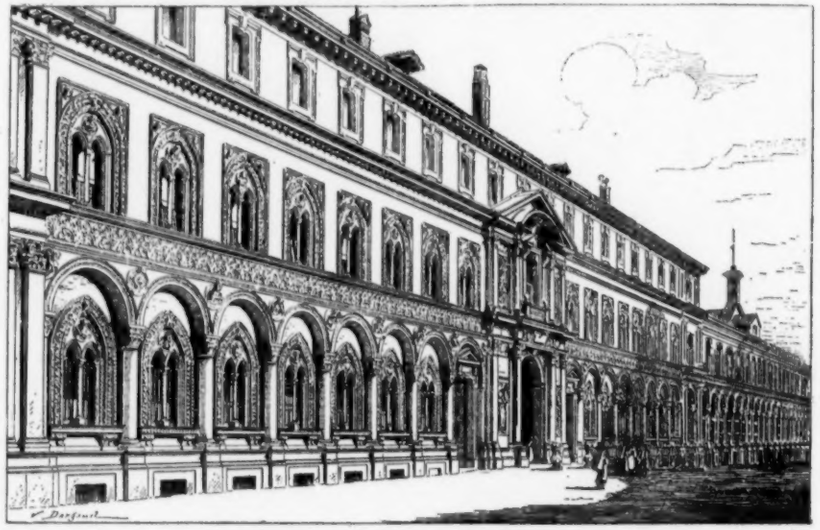

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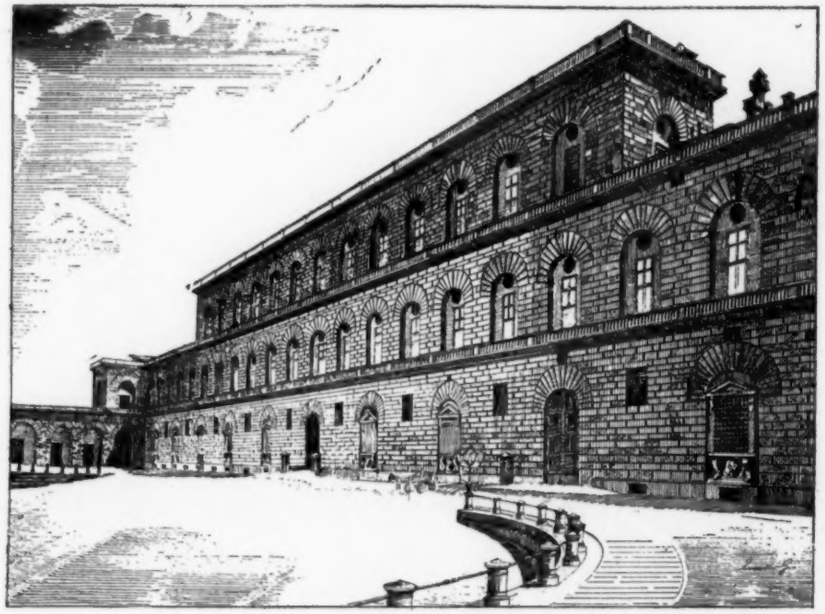

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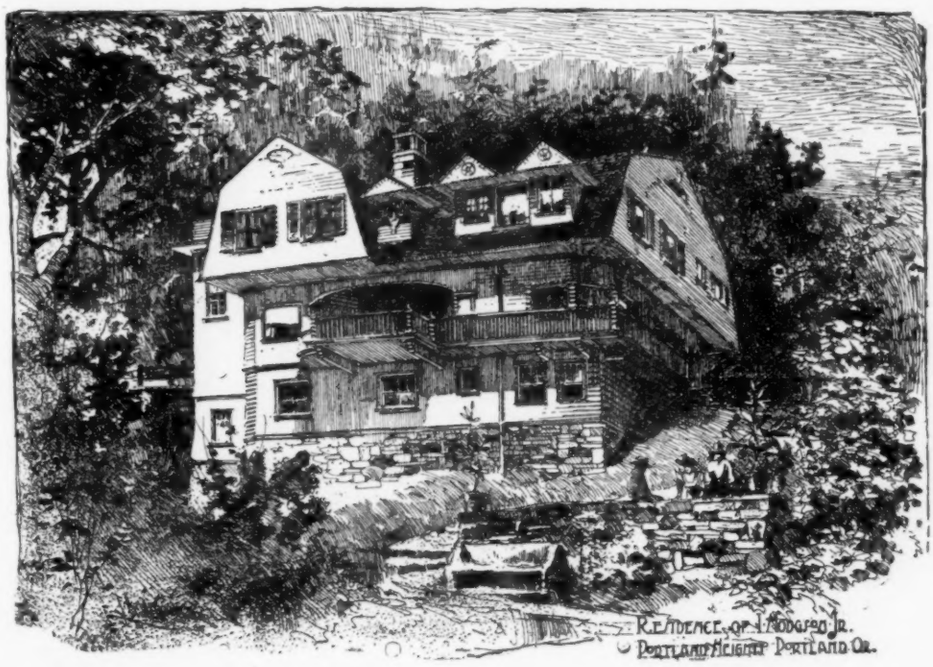

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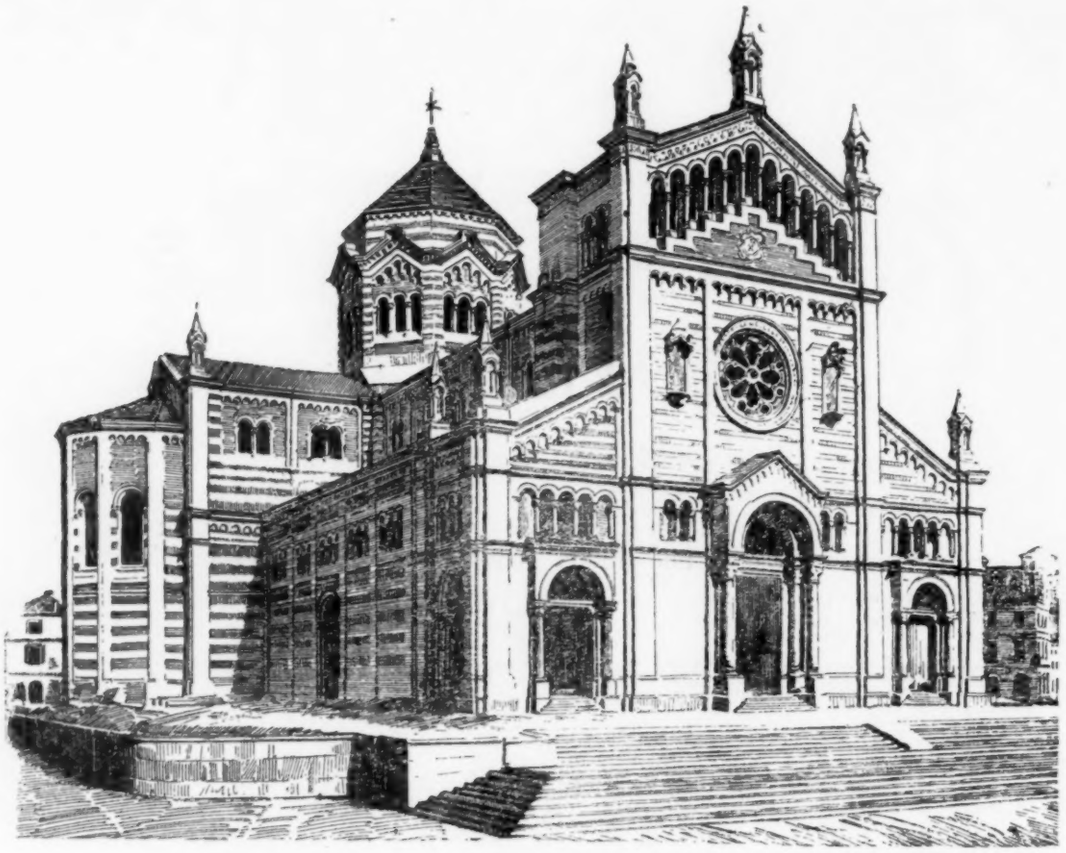

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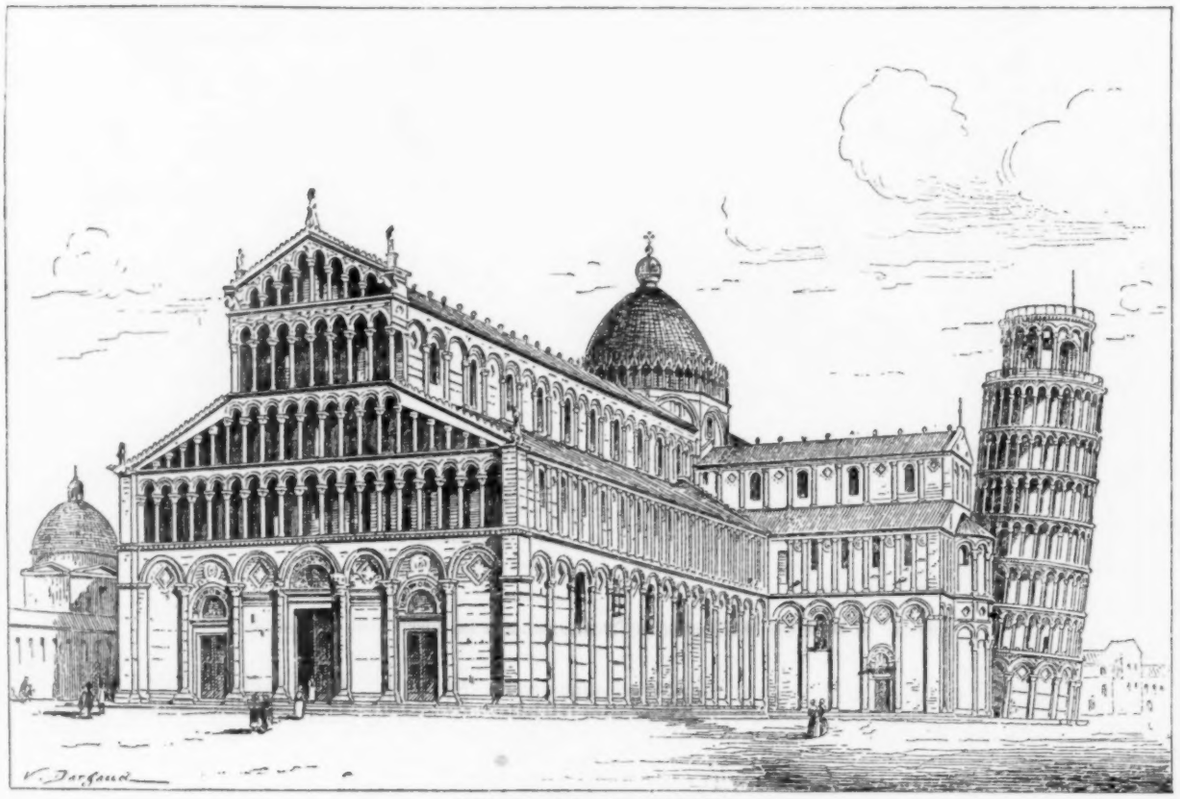

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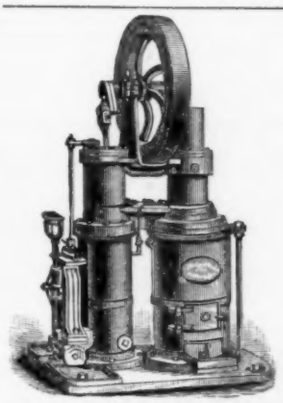

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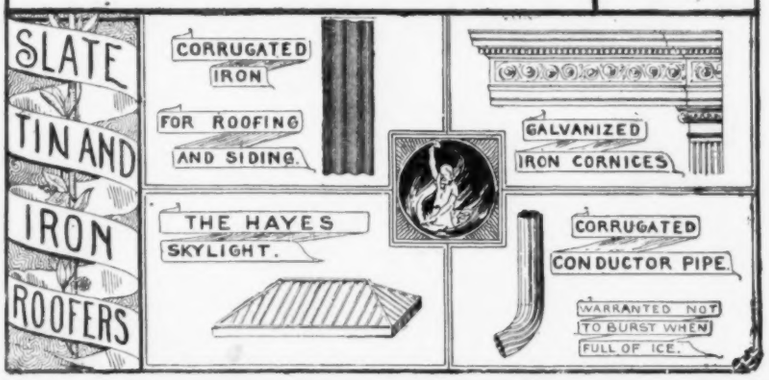

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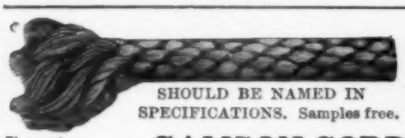

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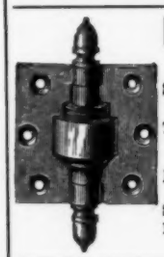

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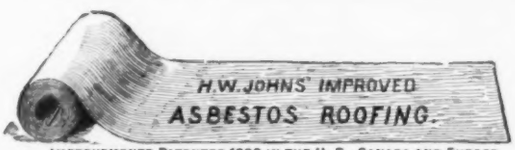

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The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

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DRAUGHTSMAN. — Wanted, good architectural draughtsman; must be a neat letterer. Permanent position. Engineering Employment Bureau, 8 Granger Block, Syracuse, N. Y. 856

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473,194. HINGE. — John Marthaler, Jersey City, N. J.

473,198-199. ELEVATOR-CONTROLLING DEVICE. — Harold Rowntree, Kansas City, Mo.

473,262. KNOB ATTACHMENT.— Charles Marshall, Camden, N. J.

473,268. FURNACE.—Wesley Sloan, Peoria, Ill.

473,273. ANCHOR FOR BRICK WALLS. — Joseph M. Van Why, Elmira, N. Y.

473,287. SASH-CORD. — Leedham Binns, Philadelphia, Pa.

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AT THE PORT OF NEW YORK FOR THE WEEK ENDING MAY 6, 1892.

From Antwerp.—Steamer "*Hermann*," 2,307 barrels cement, order. Bark "*Steathmir*," 4,515 barrels cement. J. & W. Seligman & Co. Steamer "*Westernland*," 750 casks cement, E. Thiele; 1,000 do., 3,000 barrels do., 304 girders, order.

From Bremen. — Steamer "*Gustav & Oscar*," a lot of rock asphaltum, 7,240 cakes do., Sicilian Asphalt Paving Co.

From Cardenas. — Steamer "*Saratoga*," 40 pipes asphaltum, Balsells & Co.

From Frontera. — Steamer "*Yumuri*," 45 bags asphaltum, Seeger & Guernsey Co.

From Genoa. — Steamer "*Werra*," 4 blocks marble, Chas. Schneider; 2 cases do., F. C. Metzger & Co.; 100 slabs do., James E. Ward & Co.; 22 cases do., order. Bark "*Nostra Madre*," 42 blocks marble, G. Amsinck & Co.; 590 slabs do., Taber & Co.; 21 blocks marble, order.

From Glasgow.—Steamer "*Furnessia*," 11 casks iron columns, 1 girder, W. McFarlane. Steamer "*Corean*," 35 barrels enamelled bricks, C. R. Weeks & Bros.; 16 blocks stone, G. P. Sherwood; 31 cases granite. Austin, Baldwin & Co.; 6 do., Davidson & Sons; 45 do., order.

From Hamburg. — Steamer "*Rugia*," 560 casks cement, E. Thiele; 1,000 barrels do., order. Ship "*Baltimore*," 2,250 barrels cement, order. Steamer "*Wieland*," 840 casks cement, E. Thiele.

From Hull. — Steamer "*Marengo*," 370 tons cliff stones, Sanderson & Sons.

From La Brea, Trinidad.—Bark "*Agate*," 850 tons asphalt, Brown Bros. & Co.

From Laguna.—Steamer "*Yumuri*," 23 logs mahogany, 51 do. cedar, J. M. Ceballos & Co.

From London. — Steamer "*France*," 500 casks cement, Bank of British North America; 17 logs wood, J. Copcut & Co.; 2,000 casks cement, 10 logs hardwood, order. Steamer "*Massachusetts*," 2,000 casks cement, Brown Bros. & Co.; 500 do., Bank of British North America; 1,600 do., Chas. J. Stevens; 2,000 do., order.

From Maracaibo. — Schooner "*Golden Ball*," 32 logs cedar, Suzarte & Whitney.

(*Continued on page* xvii.)

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From Rotterdam. — Steamer "*Edam*," 2,000 casks cement, E. Thiele. Steamer "*Obdam*," 2,000 casks cement, E. Thiele; 1,000 do., Movius Ebert.

From Stettin. — Steamer "*Hekla*," 1,135 barrels cement, F. Thiele; 672 do., H. Marquardt & Co.

From Trinidad. — Steamer "*Arecuna*," 600 tons asphalt, order.

From Vera Cruz. — Steamer "*Yumuri*," 22 blocks marble, order; 209 logs mahogany, Graham, Hinckley & Co.; 20 bags asphaltum, G. Amsinck & Co.

From Walton, N. S. — Schooner "*Grace Davis*," 640 tons lump plaster, C. W. Bertaux & Co. Bark "*Altona*," 875 tons lump plaster, J. F. Whitney & Co.

From Windsor, N. S. — Schooner "*Calabria*," 809 tons lump plaster, J. F. Whitney & Co.

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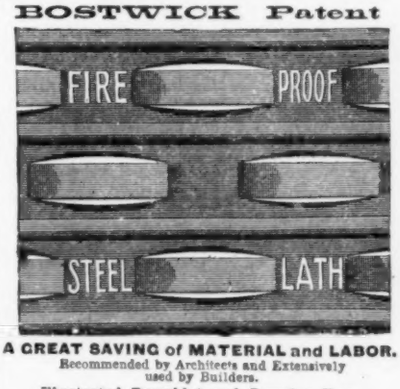

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[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

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Willoughby St., No. 72, three-st'y brick dwell., gravel roof, two extensions, gravel roofs, and internal alterations; cost, $5,358; owner, Peter McNulty, 420 Fulton St.; architects, Parfitt Bros., 26 Court St.

Bowen St., n s, 90′ w Richards St., one-st'y brick machine-shop, gravel roof, one-st'y stone extension, iron roof, and internal alterations; cost, $12,000; owners, H. R. Worthington Hydraulic Works, Liberty St., New York City; architects, The Berlin Iron Bridge Co., East Berlin, Conn.

Seventh St., s s, 219′ 6½″ w Sixth Ave., 8 three-st'y brick dwells., tin roofs, three-st'y brick extensions, tin roofs; cost, $500 each; owner and builder, Wm. Bowne, Seventh St.; architect, Wm. Coots, 189 Montague St.

Bryn Mawr, Pa. — Alterations and additions to dwell.; owner, Dr. Chas. E. Hopkins; architect, Robert G. Kennedy, Drexel Building, Chestnut and Fifth Sts., Philadelphia.

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Barber Geiber, two-st'y flats, 6148 Halsted St.; cost, $3,000.

Riegert & Knorr, three-st'y flats, 374 Larrabee St.; cost, $6,000.

W. H. Chaterton, three-st'y flats, 345 Sixty-second St.; cost, $3,500.

T. H. Beckwith, two-st'y flats, 5537 Union Ave.; cost, $3,000.

Klemmeton & Rein, two-st'y flats, Jefferson Ave.; cost, $3,800.

Thomas Roth, 2 three-st'y flats, 1200 1202 Holstein Park; cost, $30,000.

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Edward Campbell, two-st'y flats, Fifty-second St. and Indiana Ave.; cost, $6,000.

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H. W. Bushmeyer, three-st'y flats, 52 Beethoven Pl.; cost, $7,000.

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F. J. Roynerston, two-st'y flats, 208 North Kedzie Ave.; cost, $4,000.

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Samuel Gralton, two-st'y flats, Sawyer and Fifteenth Sts.; cost, $3,000.

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Martin Olson, 2 three-st'y flats, 239-241 Potomac Ave.; cost, $7,000.
Bernhardt Zimmerman, two-st'y flats, 1211 Lexington Ave.; cost, $5,500.
Mrs. S. Ruskoff, four-st'y flats, 37 Walton Pl.; cost, $8,000.

BUILDING INTELLIGENCE.

Jack Wardwell, three-st'y flats, 373 Forty-fifth St.; cost, $5,700.
A. Carlson, three-st'y flats, 9118 Ontario Ave.; cost, $4,800.
H. P. Nelson, three st'y flats, 550 West Superior St.; cost, $7,000.
Level & Hunter, 5 two-st'y flats, 1447 Taylor St.; cost, $15,000.
Beck & Benson, 2 two-st'y flats, 2350-2352 Ashland Ave.; cost, $8,000.
Victor Johnson, two-st'y flats, 1466 Roscoe St.; cost, $3,400.
Henry P. Dumont, 2 three-st'y flats, 3424-3426 Prairie Ave.; cost, $16,000.
Frank Danek, four-st'y flats, 193 West Nineteenth St.; cost, $6,500.
Charles Thompson, three-st'y flats, 1355 Harrison St.; cost, $5,000.
John J. Caughlin, two-st'y flats, 692 Walnut St.; cost, $4,000.
Jacob Stanich, three-st'y flats, 1547 Fillmore St.; cost, $7,500.
Charles W. Ward, four-st'y flats, 3449 Indiana Ave.; cost, $10,000.
Frank Ratzlowskie, two-st'y flats, 133 Wabansia Ave.; cost, $4,300.
E. Burkress, four-st'y flats, 119 Townsend St.; cost, $8,000.
Henry Runge, four-st'y flats, 480 West Superior St.; cost, $7,000.
Arcade Co., 2 three-st'y flats, 3567-3569 Cottage Grove Ave.; cost, $5,000.
O. A. Riggle & Son, 2 two-st'y flats, 1115-1117 Clifton Ave.; cost, $4,000.
Charles C. Langley, three-st'y flats, Fifty-fifth and La Salle Sts.; cost, $17,000.
L. C. Wagner, two-st'y flats, 5545 Sherman St.; cost, $4,000.
A. B. Brown, 2 two-st'y flats, 623-625 Sixty-third St.; cost, $3,200.
F. C. Dameau, three-st'y flats, 1566-1568 Clybourn Ave.; cost, $5,000.
Anton Stigmeyer, two-st'y flats, 152 Jansen St.; cost, $3,500.
Andrew E. Hulton, two-st'y flats, 1456 Wellington St.; cost, $4,000.
E. L. Zarlott, 2 three-st'y flats, 5417-5419 Kimbark Ave.; cost, $10,000.
W. Berg, two-st'y flats, Langley Ave. and Sixty-eighth St.; cost, $3,100.
S. E. Spinning, 2 three-st'y flats, 6607-6209 Ellis Ave.; cost, $8,000.
J. Wheeler, two-st'y flats, 5143 Washington Ave.; cost, $6,000.
A. Learcy, three-st'y flats, 5483 Madison Ave.; cost, $6,000.

New York, N. Y.—*Elizabeth St., Nos.* 259-263, 2 five-st'y brick flats, tin roofs; cost, $36,000; owner, Henry Pasinsky, 46 Henry St.; architects, Schneider & Herter, 48 Bible House.

East One Hundred and Twentieth St., No. 321, five-st'y brick flat, tin roof; cost, $28,000; owner, Ernest C. Karl, 2243 First Ave.; architect, Edward Wenz, 1491 Third Ave.

East Twenty-fifth St., Nos. 209-211, 2 five-st'y brick flats, metal roofs; cost, $50,000; owner, Matilda W. Bruce, 39 East Twenty-third St.; architects, Jordan & Giller, 19 Park Place.

Third Ave., Nos. 343-347, 3 five-st'y brick flats, metal roofs; cost, $66,000; owner, Matilda W. Bruce, 39 East Twenty-third St.; architects, Jordan & Giller, 19 Park Pl.

Ninety-fourth St., n s, 150′ w Columbus Ave., 4 five-st'y brick flats, tin roofs; cost, $96,000; owner, George Schuck, 214 East One Hundred and Fifteenth St.; architect, Edward Wenz, 1491 Third Ave.

Twenty-fifth St., n e cor. Third Ave., five-st'y brick flat, tin roof; cost, $40,000; owner, Matilda W. Bruce, 39 East Twenty-third St.; architects, Jordan & Giller, 19 Park Place.

Eighty-third St., s s, 255′ 6½″ w Third Ave., 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, John W. Livingston, 103 East Eighty-third St.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

East Eighty-first St., No. 146, five-st'y brick flat, tin roof; cost, $28,000; owner, Bridget Curry, 146 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.

Ninetieth St., s s, 200′ w First Ave., 4 five-st'y brick flats, tin roofs; cost, $92,000; owner, George Schreimer, 104 West One Hundred and Twenty-first St.; architect, John Hauser, 1441 Third Ave.

West Nineteenth St., No. 278, five-st'y brick flat, tin roof; cost, $20,000; owner, George G. Jackson, 295 West Eleventh St.; architects, Hubert, Pirrson & Hoddick, 49 West Twenty-eighth St.

Eighth Ave., Nos. 164-170, 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, George S. Jackson, 295 West Eleventh St.; architects, Hubert, Pirsson & Hoddick, 49 West Twenty-eighth St.

Eighth Ave., n w cor. One Hundred and Thirteenth St., five-st'y brick flat, tin roof; cost, $25,000; owner, Rankin, One Hundred and Sixty-third St. and North River; architect, James W. Cole, 403 West Fifty-first St.

Eighty-seventh St., s e cor. Amsterdam Ave., five-st'y brick flat, plastic slate roof; cost, $80,000; owner, D. Willis James, 11 Cliff St. and 40 East Thirty-ninth St.; architect, John G. Prague, 521 Amsterdam Ave.

Spring St., No. 266, five-st'y brick flat, tin roof; cost, $19,000; owners, Well & Mayer, 227 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

Clinton St., No. 123, five-st'y brick flat, tin roof; cost, $18,000; owner, Louis Goodman, 165 Henry St.; architect, Fred Ebeling, 3 First Ave.

Eighty-seventh St, s w cor. Lexington Ave., 3 five-st'y brick flats, tin roofs; cost, $75,000; owner, John H. Gray, 2 East Ninety-fourth St.; architects, A. B. Ogden & Son, 1631 Madison Ave.

One Hundred and Thirty-fourth St., n s, beg. 150′ w Lenox Ave., 10 five-st'y brick flats, tin roofs; cost, $170,000; owners, Thomas J. Jenkins & Co., 227 West One Hundred and Fifteenth St.; architect, George M. Walgrove, 99 Nassau St.

East Eighty-third St., Nos. 423-425, 2 five-st'y brick flats, tin roofs; cost, $40,000; owner, Jacob Jung, 213 East Eighty-ninth St.; architect, Charles Stegmayer, 306 East Eighty-second St.

Sixty-fifth St., n s, com. 125′ w Central Park, West, 2 five-st'y brick flats, tin roofs; cost $60,000; owner, James O'Brien, s w cor. Sixth Ave. and Thirty-eighth St.; architect, Geo. Keister, 146 West Thirty-fourth St.

Forty-fifth St., s s, 91′ e Ninth Ave., 2 five-st'y brick flats, tin roofs; cost, $58,000; owner, William

Continued on page xx.

FIREPROOF BUILDINGS.

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F. Rohrig, 304 Seventh Ave.; architect, John Hauser, 441 Third Ave.

Forty-fourth St., n s, 91′ e Ninth Ave., 4 five-st'y brick flats, tin roofs; cost, $108,000; owner, William F. Rohrig, 304 Seventh Ave.; architect, John Hauser, 441 Third Ave.

Willis Ave., n e cor. One Hundred and Forty-second St., 2 five-st'y brick flats, tin roofs; cost, $45,000; owners, John and Nicholas Cotter, 630 East One Hundred and Thirty-eighth St.; architect, C. A. Millner, Mott Haven.

Eighty-seventh St., s s, 61′ e Amsterdam Ave., five-st'y brick flat, plastic slate roof; cost, $50,000; owner, D. Willis James, 40 East Thirty-ninth St.; architect, John G. Prague, 521 Amsterdam Ave.

One Hundred and Fifteenth St, s s, 100′ w Second Ave., 4 five-st'y brick flats, tin roofs; cost, $60,000; owner, Frederick Schuck, n w cor. Avenue A and Eighty-fifth St.; architect, Edward Wenz, 1491 Third Ave.

Eighty-seventh St., n s, 150′ w Second Ave., 5 five-st'y brick flats, tin roofs; cost, $100,000; owner, Joseph Schreimer, 746 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.

One Hundred and Twelfth St., n s, 250′ e First Ave., 4 five-st'y brick flats, tin roofs; cost, $68,000; owners, Italio American Construction Co., 2308 Second Ave.; architect, Nicholas Couforti, 208 East One Hundred and Fifteenth St.

Eighty-seventh St., s s, 100′ w First Ave., 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, John McLaughlin, 346 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.

Eighty-sixth St., n s, 100′ w First Ave., 2 five-st'y brick flats, tin roofs; cost, $50,000; owner, John McLaughlin, 346 East Eighty-first St.; architect, John Hauser, 1441 Third Ave.

Park Ave., n e cor. Ninety-sixth St., 4 five-st'y brick flats, tin roofs; cost, $82,000; owner, Francis J. Schnugg, 129 East Ninety-fifth St.; architect, Louis Eutzer, Jr., 179 East Ninety-sixth St.

Columbia St., No. 79, six-st'y brick flat, tin roof; cost, $24,000; owner, Herman Werthheimer, 121 Attorney St.; architect, Louis F. Heinecke, 62 Bowery.

Lewis St., No. 28, five-st'y brick flat, tin roof; cost, $20,000; owner, Margaret Moore, 51 Seventh St.; architects, Kurtzer & Itohe, cor. Seventh St. and Third St.

Third Ave., n e cor. One Hundred and Thirty-sixth St., five-st'y brick flat, tin roof; cost, $38,000; owner, Ann Reilly, 417 East One Hundred and Fifteenth St.; architect, Albert E. Davis, 2533 Third Ave.

Elizabeth St., Nos. 255-257, 2 five-st'y brick flats, tin roofs; cost, $18,000; owner, Henry Pasinsky, 46 Henry St.; architects, Schneider & Herter, 48 Bible House.

Eighty-fifth St., n s, 185′ 6½″ w Park Ave., five-st'y brick flat, tin roof; cost, $20,000 owner, Salvatore Pauello, 251 Elizabeth St.; architect, W. Ormiston Tait, 1269 Madison Ave.

Willis Ave., n e cor. One Hundred and Thirty-sixth St., 5 five-st'y brick flats, tin roofs; cost, $85,000; owners, John J. and Wm. H. McCaffery, 636 East One Hundred and Thirty-ninth St. and 43 West Twenty-fifth St.; architect, C. A. Miller, Mott Haven, N. Y.

Market St., No. 25, five-st'y brick flat, tin roof; cost, $20,000; owners, Fay & Stacom, 337 Pleasant Ave.; architect, Charles Rentz, 153 Fourth Ave.

Rivington St., s w cor. Clinton St., six-st'y brick flat, tin roof; cost, $26,000; owner, Jules Chatelau, 2172 Fulton Ave.; architect, Herman Horenburger, 99 East Third St.

CHURCHES.

Chicago, Ill. — The B'nai Abraham Congregation, church, 507-511 Marshfield Ave.; cost, $25,000.

St. Aloysius Parish, three-st'y church and school, n w cor. Le Moyne and Davis Sts.; cost, $35,000.

Devon, Pa. — Buff brick and stone Protestant-Episcopal church for All Saints' Church; architect, T. Melon Rogers, 1122 Walnut St., Philadelphia.

Minneapolis, Minn. — Polish Church of the Holy Cross, brick church, cor. Twelfth St. and Seventeenth Ave., n e; cost, $20,000.

Philadelphia, Pa. — *Susquehanna Ave.*, cor. Nineteenth St., brick and stone chapel; architect, John F. Stuckert, 524 Walnut St.

Rochester, N. Y. — *Hudson St.*, brick building for Memorial Pres. Church; cost, $40,000; builder, Frederick Steitz.

Monroe Ave., cor. Averill Ave., stone Methodist Church; Romanesque style; seating-capacity, 1,500; cost, $50,000; architects, Meary & Kramer, Akron, Ohio; builders, Thompson-Dukes Construction Co., Birmingham, Ala.

FACTORIES.

Boston, Mass. — *Baldwin St.*, near A St., Ward 13, two-st'y frame factory, flat roof, 27′ x 37′; owners, E. B. Dalguist & Co.; builder, J. F. Ferguson.

Brooklyn, N. Y. — *Bogart St.*, w s, 75′ s Siegel St., four-st'y brick fur dressing factory, gravel roof; cost, $8,000; owner, Ferdinand Hosch, on premises; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill.—August Newell, three-st'y factory, 93-105 Racine Ave.; cost, $15,000.

Frankford, Pa. — *Pa. R. R. and Wheatsheaf Lane*, upholstery-goods factory; owners, Hoyle, Harrison & Kaye; architect, Walter H. Geissinger, Chestnut and Twelfth Sts., Philadelphia.

Minneapolis, Minn. — Johnson Sturd & Co., three-st'y frame factory and two-st'y brick engine-room, cor. Marshall St. and Eighteenth Ave., n e; cost, $15,000.

New York, N. Y. — *One Hundred and Third St.*, n s, *and One Hundred and Fourth St.*, s s, 350′ w First Ave., 2 four-st'y brick factories, gravel roofs; cost, $60,000; owner, David Miller, 421 East Eighty-eighth St.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

Philadelphia, Pa. — *Race St.*, s s, w Nicholson St., three-st'y brick factory; builder, Benjamin Hetzel, 3047 D St.

Reynoldstown, Pa. — A large window-glass plant will be built by the United States Glass Company of Pittsburgh, Pa.

Worcester, Mass. — *Gold St.*, three-st'y brick factory; owner, F. E. Reed; architects, Earle & Tasher.

HOSPITALS.

New York, N. Y. — *Spuyten Duyvil Parkway*, w s, 200′ n Warren Ave., three-st'y brick hospital, peak, copper and tin roof; cost, $180,000; owner, Seaton Hospital, Mt. St. Vincent; architects, Wm. Schickel & Co., 246 Fifth Ave.

HOTELS.

New York, N. Y. — *Sixty-third St.*, s s, below Columbus Ave. and Boulevard, seven-st'y brick hotel, tile roof; cost, $400,000; owner, Thomas S. Brush, 186 Remsen St., Brooklyn; architect, J. G. Glover, 186 Remsen St., Brooklyn.

HOUSES.

Ashbourne, Pa. — Dwell. for Addison Foster, Esq.; contractor, A. M. Walkup, 815 Filbert St., Philadelphia; architect, Samuel Milligan, 708 Chestnut St., Philadelphia.

Baltimore, Md.—Jno. S. Magarity, 5 three-st'y brick building, e s Broadway, n Lanvale St.

D. C. Slonaker, etc., 7 three-st'y brick buildings, beg. n w cor. Edmondson Ave. and Monroe St.

Thos. L. Parks, 4 two-st'y brick buildings, e s Charles St., beg. n e cor. Beverlin St.; 4 two-st'y brick buildings, w s Patapsco St., beg. n w cor. Beverlin St.; 2 two-st'y brick buildings, n s Beverlin St.; two-st'y brick building, s e cor. Beverlin and Charles Sts.; and two-st'y brick building, s w cor. Patapsco and Beverlin Sts.

H. J. Hahn, three-st'y brick building, s w cor. Pratt St. and Goldsmith Alley.

J. Wilson Wood, 2 three-st'y brick building, w s McCulloh St., bet. McMachen and Wilson Sts.

J. J. Hauser, three-st'y brick building, w s Roland Ave., s Fourth St.

Mrs. C. Hollingshead, three-st'y brick building e s York Road, opp. Waverly.

George Stallo, three-st'y brick building, w s Pennsylvania Ave., bet. Dolphin and Lanvale Sts.

Mrs. Carroll Brown, three-st'y brick building, s s Brickhead Court, s Barnet St.

George Winterling, 2 three-st'y brick buildings, n s Baltimore St., e Bond St.

Frederick Goodhoes, three-st'y brick building, e s Broadway, bet. Baltimore and Lombard Sts.

J. Frank Griffin, 26 two-st'y brick buildings, s s Wilkens Ave., bet. Pulaski and Smallwood Sts.

James Stanton, three-st'y brick building, 722 South Wolfe St.

Boston, Mass. — *Westford St.*, near Raymond St., Ward 24, nine frame dwells., 18.6′ x 30.6′; owner, John Evans; builders, Alcock & McKay.

Carolina Ave., near South St., Ward 23, 2 three-st'y frame dwells., flat roofs, 22.6′ x 42′; owner, M. T. Donlon; builder, J. J. Flynn.

Longwood Ave., near Phillips St., Ward 22, 2 three-st'y frame dwells., flat roofs, 24′ x 32.6′; owner, John H. Greim; builder, John Fuchs.

Call St., near Crosby Sq., Ward 23, 2 three-st'y frame dwells and store, hip roofs, 22′ x 40′; owner and builder, Patrick Crosby.

Cohasset St., near Corinth St., Ward 23, frame dwell., 23′ x 47′; owner and builder, H. E. Davison.

Henshaw St., near Kirk St., Ward 23, frame dwell., 20′ x 50.6′; owner, E. E. Grover; builder, M. A. Blanchard.

Heath St., cor. unnamed st., Ward 22, 3 three-st'y frame dwells., flat roofs; owner and builder, R. A. Watson.

Tremont St., Nos. 1773-1775, Ward 22, 2 three-st'y frame dwells. and store, flat roofs, 22′ x 52′; owner, J. H. Boyham; builder, Wm McDonald.

Wabon St., No. 15, Ward 21, three-st'y frame dwell., hip roof, 27′ x 50′; owner, Mrs. M. J. Smith; builder, G. D. Crouss.

Rockland Ave., No. 15, Ward 21, three-st'y frame dwell., flat roof, 25′ x 56.6′; owner, Caroline Harper; builders, Wilson Bros.

Edgewood St., near Southworth St., Ward 21, three-st'y frame dwell., pitch roof, 23′ x 46′; owner and builder, W. Donaldson.

Howland St., near Humboldt Ave., Ward 21, frame dwell., 30′ x 58′; owner, G. A. Palsey; builder, H. C. Allen.

Bower St., near Humboldt Ave., Ward 21, 2 three-st'y frame dwells., flat roofs, 22′ x 40′; owner, J. F. Dempsey; builder, C. Lemmler.

Washington St., No. 2794, Ward 21, three-st'y frame dwell., flat roof, 28′ x 54′; owner, Mary M. Glass; builders, Decker Bros.

Elmore St., near Washington St., Ward 21, 5 three-st'y frame dwells., flat roofs, 23′ x 50′; owner and builder, John J. Johnston.

Fulda St., near Valentine St., Ward 21, three-st'y frame dwell., flat roof, 19.6′ x 60′; owner, L. B. Abbott; builder, L. V. Berry.

Howard Ave., near Dalmatia St., Ward 20, three-st'y frame dwell., pitch roof, 24′ x 64′; owner and builder, James Devine.

Dalmatia St., near Dacia St. and Howard Ave., Ward 21, 3 three-st'y frame dwells., flat roofs, 23′ x 40′ and 24′ x 42.6′; owners, Catherine Drummy and James Devine; builders, Jas. Devine and W. W. Dromey.

Rand St., cor. Rand Pl., Ward 20, 2 three-st'y frame dwells., flat roofs, 22′ x 53′; owner, F. P. Magee; builder, A. G. Wood.

Dewey St., near Blue Hill Ave., Ward 20, 3 three-st'y frame dwells., flat roofs, 24′ x 52′ and 24.6′ x 50.6′; owners, Michael Kelly and F. J. Parmenter; builders, M. J. Curly and F. J. Parmenter.

East Third St., Nos. 489-493, Ward 14, 3 three-st'y frame dwells., flat roofs, 21.2′ x 34′; owner, Annie G. Devine; builder, W. T. Eaton.

Forest St., No. 38, Ward 20, three-st'y frame dwell., flat roof, 28′ x 45′; owner, A. J. Patterson; builder, C. C. Turner.

East Fourth St., No. 703, Ward 14, three-st'y frame dwell., flat roof, 22.4′ x 46′; owner, T. C. Perry; builder, D. A. Berry.

Linden St., near Brighton Ave., Ward 25, frame dwell., 25′ x 41.6′; owner, Hattie E. Brown; builder, S. W. Brown, Jr.

Winship St., No. 48, Ward 25, frame dwell., 27′ x 33′; owner, J. J. O'Keefe; builder, James Muldoon.

Grace Ave., cor. Robinson St., Ward 24, frame dwell., 29′ x 43′; owner, B. B. McDonald; builder, J. H. Kellar.

Dorchester Ave., No. 1043, Ward 24, three-st'y frame dwell., flat roof, 27′ x 55′; owner, George Walker; builder, J. A. Daunt.

Walter St., cor. Knoll St., Ward 23, frame dwell., 25′ x 45′; owner and builder, C. F. Field.

Lawrence Ave., Nos. 22-24, Ward 24, 2 two-st'y frame dwells., hip roofs, 21′ x 56.3′; owner, Wm. Phipps; builder, E. M. Chapman.

East Second St., No. 841, Ward 14, three-st'y frame dwell., flat roof, 20.6′ x 36′; owner, Paul Fuchs; builder, T. A. Keyes.

Boylston St., near Washington St., Ward 23, three-st'y frame dwell., pitch roof, 26.4′ x 46.10′; owner, John Schilladay; builders, McEachen & Johns.

Sterling St., Nos. 53-55, Ward 19, 2 three-st'y brick dwells., flat roofs, 19′ x 35′; owners, R. Esterbrook's heirs; builder, M. A. Parsons.

Shawmut Ave., Nos. 691-693, 2 four-st'y frame dwells. and store, flat roofs, 20′ x 40′; owners, R. Esterbrook's heirs; builder, M. A. Parsons.

Wrentham St., near Ashmont St., Ward 24, two-st'y frame dwell., hip roof, 32′ x 34.6′; owner, Mrs. E. M. Pond; builder, George Driscoll.

Norfolk St., near opp. Evelyn St., Ward 24, frame dwell., 28′ x 38′; owner, Mrs. L. A. Beck; builder, David Currier.

Evelyn St., near Norfolk St., Ward 24, frame dwell., 26.6′ x 35′; owner, Mrs. H. S. Morrill; builder, W. A. Macaulay.

Butler St., near Saratoga St., Ward 1, two-st'y frame dwell., hip roof, 22′ x 30′; owner, Boston Land Co.; builder, F. N. Hayden.

Border St., Nos. 257-265, Ward 1, 5 three-st'y frame dwells., flat roofs, 20′ x 31′; owners, Twenty Associates; builder, C. F. Hargrave.

Heath St., No. 265, *rear*, Ward 22, three frame dwells., about 23′ x 40′; owners, Wm. Jacobs and Sophia Miller; builders, R. D. Ward & Co.

Bristol, Pa.—Two dwells.; owner, Angus York.

Brooklyn, N. Y. — *Park Ave.*, s e cor. Bedford Ave., 4 four-st'y brick dwells., tin roofs; cost, $60,000; owner, Henry Moller, 139 South Ninth St.; architect, R. V. Lehn, 109 Walton St.

Montgomery Pl., n s, 157′ 10″ w Ninth Ave., 3 three-st'y brick dwells., tin roofs; cost, $10,000 each; owner and builder, W. Gubbins, 16 Eighth Ave.; architect, P. W. Gubbins, 16 Eighth Ave.

Montgomery Pl., n s, 93′ 4″ w Ninth Ave., 3 three-and-one-half-st'y brick dwells., tin roofs; cost, $12,500 each; owner and builder, W. Gubbins, 16 Eighth Ave.; architect, P. W. Gubbins, 16 Eighth Ave.

Knickerbocker Ave., s s, 50′ n De Kalb Ave., three-st'y frame dwell., tin roof; cost, $7,000; owner, Chr. Keppler, 207 Knickerbocker Ave.; architect, Frank Holmberg, 1169 Broadway.

Third St., s s, 35′ e Seventh Ave., three-st'y brick dwell., tin roof; cost, $24,000; owner, Mary A. Young, 1036 Jefferson Ave.; architect, John L. Young, 287 Halsey St.

Cornelia St., s s, 90′ w Bushwick Ave., 9 three-st'y frame dwells., tin roofs; cost, $3,000 each; owner, M. Mulvihill, 1069 Greene Ave.

Van Voorhis St., s s, 200′ e Evergreen Ave., 6 two-st'y frame dwells., gravel roofs; cost, about $2,500 each; owner and architect, W. H. Deghnee, 84 Grove St.

Lewis Ave., w s, 20′ s Macon St., 2 four-st'y brick dwells., tin roofs; cost, $24,000; owner, W. E. Valentine, 332 Madison Ave.; architect, M. Dahlander, 1082 Bedford Ave.

Jefferson Ave., s s, 40′ e Tompkins Ave., 2 three-st'y brick dwells., tin roofs; cost, $7,000 each; owner, John F. Laddington, 265 Jefferson Ave.; architect, F. D. Vrooman, 265 Jefferson Ave.

Dean St., n s, 100′ e Nostrand Ave., 5 three-st'y brick dwells., tin roofs; cost, $6,500 each; owner and builder, J. A. Bliss, 204 McDonough St.; architect, A. E. White, 445 First St.

Prospect Pl., s s, 195′ e Vanderbilt Ave., 3 two-st'y brick dwells., gravel roofs; cost, $4,500 each; owner, Wm. L. Beers, 123 Albany Ave.; architect, F. B. Langston, 1239 Bedford Ave.

Fifty-first St., s s, 140′ e Fourth Ave., two-st'y frame dwell., tin roof; cost, $8,000; owner, Wm. G. Helme, Third Ave. and Fifty-third St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Hooper St., n s, 271′ w Bedford Ave., four-st'y brick dwell., tin roof; cost, $18,000; owner, Mrs. Bowman, 192 Wallabout St.; architects, D. Acker & Son, 752 Broadway.

Walworth St., w s, 100′ n Myrtle Ave., three-st'y brick dwell., felt and gravel roof; cost, $6,000; owner, August Flicke, 122 Walworth St.; architect, John L. Young, 287 Halsey St.

Thirty-sixth St., n s, 68′ e Third Ave., four-st'y brick dwell., tin roof; cost, $3,500; owner, Chas. Hart, 710 Degraw St.

Evergreen Ave., e s, 20′ s Weirfield St., 6 three-st'y frame dwells., tin roofs; cost, $4,000 each; owner, Chas. F. Gassmeyer, 682 Evergreen Ave.

Greene Ave., n s, 200′ e Hamburg Ave., three-st'y frame dwell., tin roof; cost, $4,000; owners, architects and builders, Schmidling & Co., 1345 Myrtle Ave.

Greene Ave., s s, 230′ e Hamburg Ave., three-st'y frame dwell., tin roof; cost, $3,000; owners, architects and builders, Schmedling & Co., 1345 Myrtle Ave.

Hooper St., n s, 189′ 4″ w Bedford Ave., 3 four-st'y brick dwells., tin roofs; cost, $12,000 each; owner, Margaret Mulvihill, 835 Willoughby Ave.; architect, G. H. Madigan, 185 Chauncey St.

Sixth St., s s, 97′ w Seventh Ave., 4 three-st'y brick dwells., tin roofs; cost, $4,500 each; owner, W. H. Woods, 610 Tenth St.; architect, A. E. White, 445 First St.

Cornelia St., n s, 90′ e Central Ave., 26 two-st'y frame dwells., tin roofs; cost, $2,800 each; owner, architect and builder, C. W. Raymond, 186 Cornelia St.

Sixth St., s s, 177′ w Seventh Ave., four-st'y brick dwell., tin roof; cost, $4,500; owner, H. H. Woods, 610 Tenth St.; architect, A. E. White, 445 First St.

Gates Ave., s s, 100′ w Central Ave., three-st'y frame dwell., tin roof; cost, $4,500; owner and builder, Louis Mehrmann, 1264 Gates Ave.; architect, Th. Engelhardt, 905 Broadway.

Suydam Pl., e s, 108′ 10″ n Atlantic Ave., three-st'y frame dwell., tin roof; cost, $3,800; owner, Caspar Lucke, 139A Chauncey St.; architect, Chas. Infanger, 126 Van Siclen Ave.

Eighth St., s s, 87′ 10½″ e Sixth Ave., 8 three-st'y brick dwells., tin roofs; cost, $4,000; owner, Thos. Corrigan, Tenth St. and Fifth Ave.

Camden, N. J.—*Washington St. and Chambers Ave.*, 12 three-st'y brick dwells.; owner and builder, George Holl, 310 Broadway.

Emerald St., w Bradbury St., three-st'y brick dwell.; owner, D. L. Emon.

Chambers Ave., e and w s, bet. Benson and Berkley Sts., 13 three-st'y brick dwells.; owner and builder, George Holl, 310 Broadway.

Nelson St., w s, n Kaighn Ave., 4 two-st'y brick dwells.; owners and builders, D. Leonard Moore & Co.

Grant St., s s, e Sixth St., 10 two-st'y brick dwells.; owner and builder, Wm. T. Bailey, New Jersey Trust Building.

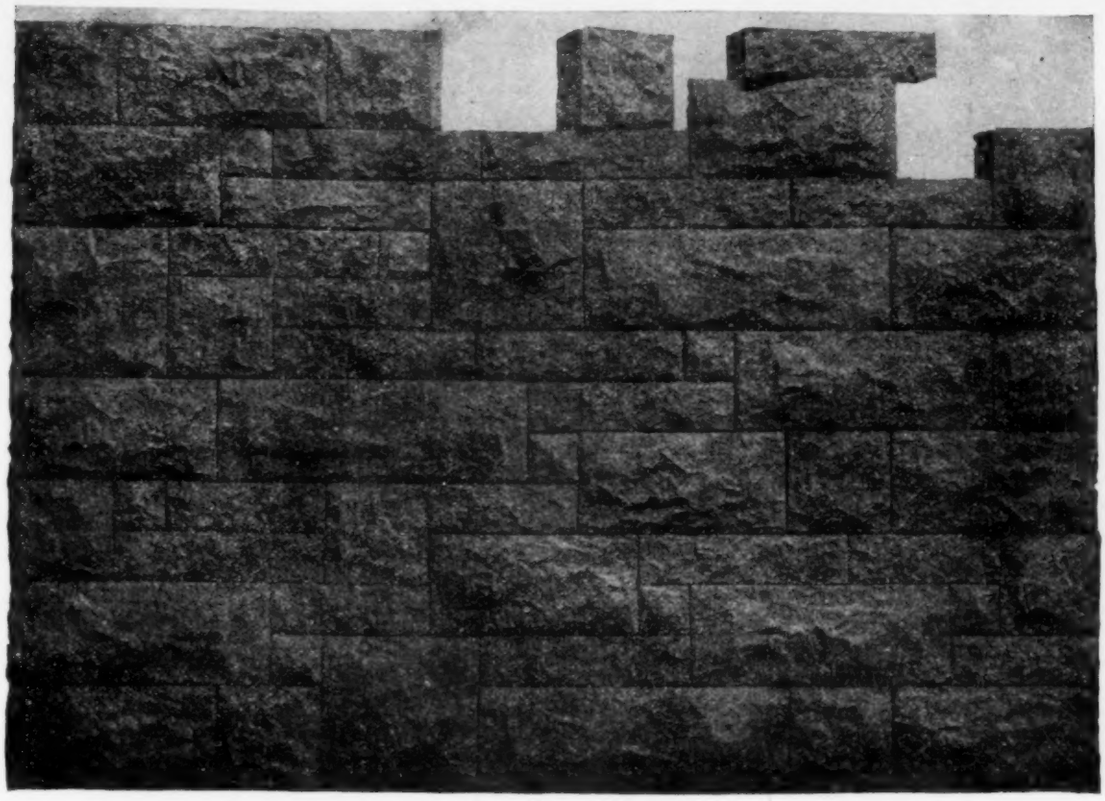
State St., w s, e Sixth St., 4 two-st'y brick dwells.; owner and builder, Wm. T. Bailey, New Jersey Trust Building.

Rose St., No. 1131, two-st'y frame dwell.; owner, Wm. Rose.

Morgan St., e Seventh St., two-st'y frame dwell.; owner, Simon Bulack, 131 Mead St.

Sylvan St., No. 912, frame dwell.; owner, Fred Geiser, 3318 Agate St.

THE BOSTON BRICK ASHLAR.



G. M. FISKE'S PATENTS, 415,772, 415,773 and 415,774. November 26, 1889.

This new and unique form of BRICK or TERRA-COTTA WORK is furnished in all colors known in clay manufacture, and in great variety of form and finish, by the following

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BUILDING INTELLIGENCE.

Sixth St., e s, n State St., 4 two-st'y brick dwells.; owner and builder, Wm. T. Bailey, New Jersey Trust Building.

Mt. Ephraim Pike, bel. Kaighn Ave., two-st'y brick dwell.; owner, John F. Betz.

Chester, Pa. — *West Eighth St.*, ten dwells.; owner, George H. Farrady.

Fairview St., two dwells.; owner, Daniel Dougherty.

Chicago, Ill. — George A. Fuller, 3 two-st'y dwells., 4351-4353 Drexel Boulevard; cost, $5,000.

O. W. Mysenberg, 3 two-st'y dwells., 139-141 Astor Pl.; cost, $30,000.

L. E. Pennington, 2 three-st'y dwells., 4364-4366 Oakenwald Ave.; cost, $10,000.

Mrs. E. K. Elmore, two-st'y dwell., 6322 Maryland St.; cost, $3,000.

Thomas Helton, 3 three-st'y dwells, 6405-6409 Oglesby Ave.; cost, $21,000.

M. Schmidtz, two-st'y dwell., Seventy-ninth St., near Bond St.; cost, $3,500.

Dr. G. Bergman, two-st'y dwell., 1452 Daken St.; cost, $9,000.

C. E. Robinson, four-st'y dwell., 2133 Dearborn St.; cost, $20,000.

Thomas W. Hinds, three-st'y dwell., 118 Astor St.; cost, $18,000.

L. A. Cook, two-st'y dwell., 230-232 Homan Ave.; cost, $5,000.

S. Leonard Boyce, 4 three-st'y dwells., 3731 South Park Ave.; cost, $30,000.

John Deborety, two-st'y dwell., 4158 Calumet Ave.; cost, $6,000.

McCauley & Lake, 4 two-st'y dwells., 7620-7626 Wright St.; cost, $24,000.

F. A. Devlin, three-st'y dwell., 4404 Grand Boulevard; cost, $12,000.

B. Kuppenheimer, three-st'y dwell., 3305 Michigan Ave.; cost, $60,000.

Wilber R. Davis, 2 two-st'y dwells., 5519-5521 Cornell St.; cost, $16,000.

K. Boremyer, 2 two-st'y dwells., 7818-7822 Union Ave.; cost, $8,000.

Hoag & Marion, five cottages, Vincennes Ave. and Elm St.; cost, $3,500.

Charles Matthews, two-st'y dwell., 4857-4859 Kenwood Ave.; cost, $9,000.

W. E. Wylis, 2 two-st'y dwells., Eightieth St. and Railroad Ave.; cost, $5,000.

Schleggel & Bromly, 2 two-st'y dwells., 4856-4858 Evans Ave.; cost, $9,000.

Edward Austin, two-st'y dwell., 54 Columbia St.; cost, $3,600.

F. P. Wheeler, 2 three-st'y dwells., 5114-5116 Madison Ave.; cost, $12,000.

H. M. Willcox, three-st'y dwell., 4128 Grand Boulevard; cost, $15,000.

Werner Spingler, two-st'y dwell., 54-56 Alice St.; cost, $7,000.

William Frink, four cottages, 5231-5237 Aberdeen St.; cost, $4,000.

Dr. A. F. Sawyer, six cottages, 1392-1396 Fulton St.; cost, $5,000.

S. Hoffman, two-st'y dwell., 241 Sunnyside Ave.; cost, $3,100.

C. E. Robinson, four-st'y dwell., 2112 Dearborn St.; cost, $18,000.

Cram Lynne, Pa.—Dwell.; owner, Harry Corr.

Detroit, Mich — Hamlin & Fordyce, 4 three-st'y brick dwells., 358-364 Jefferson Ave.; cost, $30,000.

Geo. H. Whitaker, three frame dwells., 1090-1094 Fourth Ave.; cost, $6,000.

Wm. Graham, two frame dwells., 905-907 Humboldt Ave.; cost, $4,000.

W. S. Nicholson, double frame dwell., 538-540 Warren Ave.; cost, $4,500; also two frame dwells., 682-684 Sixth St.; cost, $4,000.

Nutt & Clark, brick dwell., 208 Frederick St.; cost, $8,500.

M. Sullivan, double brick dwell., 96-98 Brainard St.; cost, $5,500.

C. B. Kuhn, double brick dwell., 128-130 Charlotte Ave.; cost, $10,000.

J. L. Gearing & Sons, brick dwell., 853 Cass Ave.; cost, $8,000.

W. J. Ward, two frame dwells., 517-519 Twelfth St.; cost, $5,000.

J. Pickard, brick dwell., 11 Chene St.; cost, $5,000.

Geo. Dephew, two frame dwells., 180 182 Lincoln Ave.; cost, $7,200.

Geo. E. Dephew, double frame dwell., 150-152 Brigham St.; cost, $4,200; also frame dwell., Mt. Elliott Ave.; cost, $4,600.

W. Preston, two frame dwells., 1048 1054 Chene St.; cost, $4,000.

E. C. Van Leyen, double frame dwell., 92-94 Piquette Ave.; cost, $4,000; also double frame dwell., 66-68 Piquette Ave.; cost, $4,200; and three frame dwells., 68-76 John R St.; cost, $10,500.

Robert Bell, two frame dwells., 407-413 Thirteenth St.; cost, $7,000.

M. Blay & Son, three-st'y brick dwell., 729 Jefferson Ave.; cost, $16,000.

Bunting & Co., twelve dwells. and five stores, 346-354 Grand River Ave.; cost, $35,000.

H. W. Holcomb, fifteen brick dwells., 1122-1130 Third Ave.; cost, $45,000.

W. J. Newton, two frame dwells., 743-745 Crawford St.; cost, $3,500.

Minneapolis, Minn. — Frank H. Wadsworth, three-st'y double brick, veneer and brownstone dwell., 1364-66 Spruce Pl.; cost, $15,000.

Harry H. Wadsworth, three-st'y double brick, veneer and brownstone dwell., 1368-70 Spruce Pl.; cost, $15,000.

New York, N. Y. — *Sixty-eighth St.*, n s, 325′ w Central Park, West, 8 four-st'y front-stone dwells.; cost, $128,000; owner, Duncan C. McKinley; architect, Henry Anderson.

Sixty-ninth St., n s, 125′ e Columbus Ave., 10 four-st'y brick dwells., tin roofs; cost, $210,000; owner, Wm. W. Hall, 687 Madison Ave.; architects, Thom & Wilson, 1267 Broadway.

One Hundred and Twentieth St., n s, 100′ w Amsterdam Ave., 2 two and one-st'y brick dwells., tin roofs; cost, $10,000; owner, Wm. Patchell, 217 West Eighty-eighth St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Eighty-first St., s s, 1000′ w West End Ave., 5 three-st'y brick dwells., mansard, tin and slate roofs; cost, $100,000; owner, Bernard S. Levy, 121 West Seventy-eighth St.; architect, Charles H. Israels, 90 Nassau St.

One Hundred and Thirty-seventh St., No. 155, e St. Anns Ave., two-st'y brick dwell., tin roof; cost, $8,000; owner, Frederick Vollmar, 1589 First Ave.; architect, Ernest W. Greis, 36 Union Square.

One Hundred and Fifty-third St., s e cor. Eighth Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner, George Green, 2633 Eighth Ave.; architect, J. H. Valentine, One Hundred and Twenty-first St. and St. Nicholas Ave.

Eighty-seventh St., n s, 125′ e Columbus Ave., 6 four-st'y brick dwells., tin roofs; cost, $150,000; owner, James Livingston, 75 West Eighty-fourth St.; architects, Thom & Wilson, 1267 Broadway.

Bainbridge Ave., s w cor. Southern Boulevard, two-st'y brick and frame dwell., peak shingle roof; cost, $6,000; owner, Charles F. Wetzel, 54 St. Marks Pl.; architect, Edgar K. Bourne, 18 Broadway.

Seventy-fifth St., n s, 368′ e Ninth Ave., 8 four-st'y brick dwells., tin roofs; cost, $200,000; owner, John C. Umberfield, 216 East Sixty-first St.; architect, George M. Walgrove, 99 Nassau St.

One Hundredth St., n s, 100′ e Columbus Ave., 6 five-st'y brick dwells., tin roofs; cost, $120,000; owner, Dore Lyon, 321 West One Hundred and Twenty-sixth St.; architect, Charles H. Israels, 90 Nassau St.

Seventy-second St., n s, 225′ e West End Ave., four dwells.; owner, J. R. Stimpson; architects, Lamb & Rich.

Twentieth St., n s, 262′ w Ninth Ave., three-st'y brick dwell., peak, slate and tin roof; cost, $70,000; owner, General Theological Seminary, 1 Chelsea Square; architect, C. C. Haight, 111 Broadway.

One Hundred and Forty-fourth St., n s, 84′ w Amsterdam Ave., 7 three-st'y brick dwells., tin roofs; cost, $63,000; owner, H. P. Niebuhr, 502 West One Hundred and Forty-fifth St.; architect, Geo. H. Griebel, 247 West One Hundred and Twenty-fifth St.

One Hundred and Forty-seventh St., s s, 200′ w Grand Boulevard, 3 three-st'y brick dwells., tin roofs; cost, $27,000; owner, Carl Neundorfer, 612 West One Hundred and Forty-seventh St.; architects, Buchman & Deisler, 8 West Twenty-ninth St.

Sixty-fifth St., s s, 100′ w Boulevard, 6 three-st'y brick dwells., tin roofs; cost, $108,000; owner, Thos. Kilpatrick, 75 West Ninety-fourth St.; architect, G. A. Schellinger, 128 Broadway.

Seventy-first St., s s, 200′ e West End Ave., 10 three-st'y brick dwells., tin roofs; cost, $160,000; owner, James A. Frame, 107 East Seventieth St.; architects, Thom & Wilson, 1267 Broadway.

Eighty-second St., s s, 175′ w Eighth Ave., 6 four-st'y brick dwells., tin roofs; cost, $150,000; owners, Forster & Livingston, 172 East Sixty-second St.; architect, G. A. Schellinger, 128 Broadway.

Eighty-seventh St., s s, 96′ 6″ e Amsterdam Ave., 3 three-st'y brick dwells., tin roofs; cost, $48,000; owner, D. Willis James, 11 Cliff St.; architect, John G. Prague, 521 Amsterdam Ave.

Seventy-first St., s s, 300′ w Tenth Ave., 5 three-st'y brick dwells., tin roofs; cost, $75,000; owners, Edelmeyer & Morgan, 117 West Seventy-first St.; architect, G. F. Pelham, 1481 Broadway.

One Hundred and Thirty-second St., s s, 449′ e Seventh Ave., 5 three-st'y brick dwells., tin roofs; cost, $45,000; owner, Wm. McReynolds, 153 West One Hundred and Thirty-first St.; architect, Wm. Guggolz, 2305 Bathgate Ave.

Philadelphia, Pa. — *Adams St.*, cor. Manayunk Ave., 2 two-st'y frame dwells.; owner, John Wolf, 4110 Terrace St.

Prospect St., e s, n Fleason St., two-st'y brick dwell.; owner, Edward Hollingsworth, Prospect St.

Hope St., w s, s Tioga St., 6 two-st'y brick dwells.; owners, Froesch & Ruehlings, Lehigh Ave., n e cor. Fifth St.

Ruth St., w s, s Orleans St., two-st'y brick dwell.; owner, David Whinney, 2506 Emerald St.

Cambria St., n s, bet. Seventh and Eighth Sts., 9 two-st'y brick dwells.; owners, Wolful & Schmunk, 614 Cambria St.

Almond St., w s, s Seargeant St., 2 two-st'y brick dwells.; owner, David Phillips, 132 South Fourth St.

Berks St., n s, bet. Twentieth and Twenty-first St., two-st'y brick dwells.; builders, J. S. Connell & Son, 1919 Woodstock St.

Stewart St., No. 918, three-st'y brick dwell.; owner, Hugh McAnany, 1431 South Eighth St.

Fifteenth St., e s, s Thompson St., 3 three-st'y brick dwells.; contractor, W. D. Laverell, 1727 North Twentieth St.

Fountain St., s s, bet. Thirty-first and Thirty-second Sts., 7 two-st'y dwells.; Jas. H. Stevenson & Son, Diamond St. and Ridge Ave.

Pennock St., No. 815, two-st'y brick dwell.; builder, W. L. Atkinson, 2214 Wallace St.

Savery St., w s, n Thompson St., three dwells.; builder, A. M. Connor, 1236 North Tenth St.

Sedgeley Ave., s w cor. York St., two-st'y brick dwells.; owners, James H. Stevenson & Son, Diamond St., cor. Ridge Ave.

Sedgeley Ave., w s, bet. Dauphin and York Sts., 3 two-st'y brick dwells.; owners, James H. Stevenson & Son, cor. Diamond St. and Ridge Ave.

Twenty-fourth St, e s, bet. Dauphin and York Sts., 4 two-st'y brick dwells.; owners, James H. Stevenson & Son, cor. Diamond St. and Ridge Ave.

York St., s s, bet. Sedgeley Ave. and Twenty-fourth St., 10 two-st'y brick dwells.; owners, James H. Stevenson & Son, cor. Diamond St. and Ridge Ave.

Fifteenth St., e s, bet. Diamond St. and Susquehanna Ave., 2 three-st'y stone dwells.; owner, Jerry Frantz, 2343 North Fifteenth St.

Kingsessing Ave., s s, bet. Forty-sixth and Forty-seventh Sts., 6 three-st'y dwells.; owner, W. S. Kimball, 4101 Chestnut St.

Watkins St., s w cor. Nineteenth St., two-st'y brick dwell.; owner, John Doelin, 2311 Lombard St.

Indiana Ave., bet. Second and Third Sts., 82 two and three st'y brick and stone dwells.; builder, Joseph S. Hagan, 502 Walnut St.

Phœnixville, Pa. — Two dwells.; owner, Joseph Moore.

Providence, R. I. — *Angell St.*, s s, opp. Cabot St., two-and-one-half-st'y frame dwell.; cost, $6,500; owner, T. W. Carpenter; builders, H. L. Bassett & Co.

Greenwich St., n e cor. Parks Ave., two-and-one-half-st'y frame dwell.; cost, $6,000; owner, Jas. C. Bones; architect, F. E. Field; builder, E. R. Wheeler.

Princeton Ave., n s, two-and-one-half-st'y frame dwell.; cost, $5,000; owner, Eugene Babcock.

Redwing St., n s, bet. Bucklin and Greenwich Sts., 3 three-st'y frame dwells.; cost, $5,000 each; owner, Elton A. Cooke; day work.

Greenwich St., w s, cor. Redwing St., 4 two-and-one-half-st'y frame dwells.; owner, Elton A. Cooke, Esq.

Knight St., e s, two-and-one-half-st'y frame dwell.; cost, $6,000; owner, L. H. Eddy.

Point St., s s, two-and-one-half-st'y frame dwell.; cost, $5,000; owner, Catherine Andrews.

Brown St., w s, two-and-one-half-st'y frame dwell.; cost, $5,000; owner, Mary M. Hoppin; architects, Hoppin, Read & Hoppin; builder, A. A. Cyr.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $3,000; owner, C. Haine; contractor, J. Auger.

Two two-st'y brick dwells.; cost, $12,000; owner, A. D. Cooper; contractor, J. Birkener.

Two-st'y brick dwell.; cost, $4,500; owners, Cuntleff & Shelp; contractors, Cuntleff Bros.

Two two-st'y brick dwells.; cost, $7,000; owners, F. Folk & Co.; contractors, A. & W. Hawlin.

Two-st'y brick dwell.; cost, $4,000; owner, B. Schrgnteneler; contractor, W. Paul.

Two-st'y brick dwell.; cost, $3,700; owner, M. B. Carlisle; contractor, W. Paul.

Two-st'y brick dwell.; cost, $2,600; owner, W. H. Westerman; contractors, C. Lumburg & Son.

Two-st'y brick dwell. and store; cost, $5,000; owner, C. Haine; contractor, J. Auger.

Two-st'y brick dwell.; cost, $4,000; owner, A. Buder; sub-let.

Two-st'y brick dwell.; cost, $5,000; owner, L. F. Schultz; contractors, W. P. Sloss & Bro.

Two-st'y brick dwell.; cost, $4,000; owner, A. W. Clark; contractors, Cook & Casey.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, J. Marquardt.

Two-st'y brick dwell.; cost, $3,600; owner, Fred Meisel; contractor, E. Wind.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, J. Krallman.

Two-st'y brick dwell.; cost, $3,300; owner, H. Ludwig; contractor, Hatz Hohenstein.

Two-st'y brick dwell.; cost, $4,000; owner, D. F. Daley; contractor, J. A. Smith.

Two-st'y brick dwell.; cost, $6,100; owner, Mr. Spohring; contractor, Thos. Roche.

Two-st'y brick dwell.; cost, $2,700; owner, J. H. Bossocks; contractor, E. A. Sleininger.

Two-st'y brick dwell.; cost, $4,000; owner, M. Friede; contractor, R. Shinnik.

Two-st'y brick dwell.; cost, $3,300; owner and contractor, J. W. Overstreet.

Three-st'y brick dwell.; cost, $3,000; owner and contractor, M. Ryan.

Two-st'y brick dwell.; cost, $6,000; owner, C. E. Udell; contractors, Murch Bros.

Two-st'y brick dwell.; cost, $4,000; owner, J. D. Nevil; contractor, Thos. J. Kelley.

Worcester, Mass. — *Paine St.*, one-and-one-half-st'y frame dwell.; owner, John Midgely; contractors, Rankin & Woodside.

Salisbury St., two-st'y frame dwell.; owner, L. A. Ely; contractor, Geo. M. Hubbard; architects, Barker & Nourse.

Sheffield St., three-st'y frame dwell.; owner and contractor, E. Belisle.

OFFICE-BUILDINGS.

Chicago, Ill. — Union Stock Yards and Transit Co., two-st'y office-building, Forty-second and Halsted Sts.; cost, $35,000.

Knoxville, Tenn. — The Southern Building and Loan Association will build five-st'y office-building, to cost $26,000.

Minneapolis, Minn. — Wm. H. Eustis, four-st'y brick office-building, cor. Third St., s, and Fourth Ave.; cost, $200,000.

SCHOOL-HOUSES.

Chicago, Ill. — St. Adalbert School, 669-677 West Sixteenth St.; cost, $45,000.

Detroit, Mich. — Henry Carew & Co., brick schoolhouse, 127 McDougall Ave.; cost, $28,000.

New York, N. Y. — *Eighty-ninth St., No.* 67, three-st'y brick school, tin roof; cost, $20,000; owners, Members Church Beloved Disciple, 65 East Eighty-ninth St.; architect, Louis A. Osborn, 198 Broadway.

East Eightieth St., Nos. 225-227, three-st'y brick school, fireproof roof; cost, $20,000; owner, T. G. Sellew, 111 Fulton St.; architects, Fowler & Hough, 280 Broadway.

STABLES.

Boston, Mass. — *Western Ave., rear, No.* 107, Ward 25, one-st'y frame stable, pitch roof, 13′ x 50′; owner, M. O'Connor; builder, A. McDonald.

Butler St. extension, cor. Adams St., Ward 24, one-st'y frame stable, pitch roof, 27′ x 30′; owner, N. B. Perkins; builder, W. J. Smith.

Arlington Pl., near Arlington St., Ward 25, one-st'y frame stable, pitch roof, 22′ x 30′; owner and builder, L. W. Rose.

Dorchester Ave., rear 2004, Ward 24, frame stable, 21.6′ x 25.6′; owner and builder, Isaac Schurmann.

Keyes St., rear 94, Ward 23, one-st'y frame stable, pitch roof, 19.6′ x 29.6′; owner, P. F. Fox; builder, C. N. Dearborn.

Sherwood St., rear, cor. Prospect St., Ward 23, frame stable, 20′ x 27′; owner, W. A. Davis; builder, M. H. Fassett.

Cambridge St., No. 125, Ward 4, one-st'y frame stable, pitch roof, 22′ x 28′; owner, F. W. Esterbrook; builders, Abbott Bros.

Binney St., rear, opp. Smyrna St., Ward 22, one-st'y frame stable, pitch roof, 35′ x 43′; owner, D. F. Keenan; builder, T. Desmond.

Fuller St., rear No. 35, Ward 24, one-st'y frame stable, pitch roof, 15′ x 27′; owner and builder, John Mahan.

White St., rear, near McLellan Ave., Ward 24, one-st'y frame stable, pitch roof, 20′ x 24′; owner, W. A. Rogers; builders, Moulton & Chase.

Barnes St., near Dorchester Ave., Ward 24, frame stable, flat roof, 40′ x 72′; owner, G. E. Griffin; builder, H. M. Wallis.

Bowdoin St., rear No. 74, Ward 24, frame stable, 18′ x 20′; owner, Martha N. Sargent; builder, R. H. Ricker.

Tremont St., rear, near opp. Whitney St., Ward 22, frame stable, 31′ x 82.6′; owner and builder, Timothy McCarthy.

Chelsea, Mass. — *Tremont St.*, frame stable, 50′ x 150′; to contain 61 stalls; owner, C. A. Campbell; contract to be let; architects, Loring & Phipps, Boston.

Chicago, Ill. — West Chicago Street Railroad Co., car barns and stables, Ogden Ave. and Twenty-second St.; cost, $50,000.

F. B. Caldwell, three-st'y livery stable and flats, 88-94 Congress St.; cost, $25,000.

New York, N. Y. — *Marion St., No.* 37, four-st'y brick stable, tin roof; cost, $6,500; owner, John G. Wendels, Irvington, N. Y.; architect, W. W. Howe, 176 Broadway.

Ninety-sixth St., s s, 100′ e Second Ave., two-st'y brick stable, gravel and tar roof; cost, $3,000; owner, Edward D. Connolly, 675 Lexington Ave.; architects, Renwick, Aspinwall & Renwick, 71 Broadway.

Philadelphia, Pa. — *Pa. R. R. and Twenty-ninth St.*, one-st'y stable; owners, Henderson & Kirkpatrick, 203 Porcelain St.

North Rowan St., w Paul St., two-st'y stable; builder, Chas. C. Patterson, 1227 Seargeant St.

Worcester, Mass. — *German St.*, one-and-one-half-st'y frame stable; owner, Calvin Gay.

Park Ave., one-and-one-half-st'y frame stable; owner, L. W. Preble; contractor, Eric Landry.

Cambridge St., one-and-one-half-st'y frame stable; owner, Pat Connors; contractor, Geo. C. Riedy.

Wheeler St., one-st'y frame stable; owner and contractor, J. F. Waters.

STORES.

Boston, Mass. — *Dudley St., Nos.* 566-572, Ward 20 two frame stores, flat roofs, 38′ x 41′; owner, Cheever Newhall; builder, H. H. Fernald.

Washington St., cor. Dale St., Ward 21, one-st'y frame store, 40′ x 60′; owner, Cheever Newhall; builder, W. H. Fernald.

Washington St., near Dale St., Ward 21, one-st'y frame store, flat roof, 37.6′ x 40′; owner, Cheever Newhall; builder, W. H. Fernald.

Minneapolis, Minn. — Knoblauch Bros., four-st'y brick store-building, 23-25 Washington Ave., n; cost, $25,000.

New York, N. Y. — *Mercer St.*, n e cor. Fourth St., six-st'y granite, terra-cotta and brick store building; cost, abt. $75,000; architect, Albert Wagner.

St. Louis, Mo. — Two-st'y brick store and offices; cost, $4,500; owner, Mrs. C. Maguire; sub-let.

TENEMENT-HOUSES.

Boston, Mass. — *Prince St., Nos.* 80-84, Ward 7, five-st'y brick tenements, 40.6′ x 88′; owner, D. Silverman; builders, D. Sullivan & Son.

Roxbury, Mass. — *Washington St. and West Walnut Park*, three-st'y frame tenements and store, flat roof, 50′ x 50′; contract to be let; architect, J. F. Eaton, Boston.

THEATRES.

Chicago, Ill. — D. K. Tripp, three-st'y theatre, 1623-1925 Archer Ave.; cost, $35,000.

WAREHOUSES.

Baltimore, Md. — Jas. H. Rieman will build five-st'y brick warehouse on Clay St., bet. Park and Howard Sts.

S. B. Sexton & Son, four-st'y brick warehouse, n s Wayne St., bet. Greene and Warner Sts.

Brooklyn, N. Y. — *Vermont St.*, e s, 120′ s Atlantic Ave., three-st'y frame storage warehouse, felt roof; cost, $4,000; owner, Millard F. Smith, Bedford Ave. and Broadway; architect, Chas. Infanger, 126 Van Siclen Ave.

Chicago, Ill. — W. Weboldt, four-st'y warehouse, 33 Bowen Ave.; cost, $5,000.

Minneapolis, Minn. — Security Warehouse Co., six-st'y brick warehouse, 330-334 North First Ave.; cost, $40,000.

S. S. Cook & Co., five-st'y warehouse, First St., n, bet. Sixth and Seventh Aves.; cost, $15,000.

New York, N. Y. — *Canal St., No.* 528, four-st'y brick warehouse, tin roof; cost, $8 000; owner, Morris S. Hermann, 29 West One Hundred and Fifteenth St.; architect, Franklin Baylies, 51 and 52 Bible House.

MISCELLANEOUS.

Baltimore, Md. — The H. Y. M. Building Co., three-st'y mansard brick club-building, rear s w cor. Baltimore and Bond Sts.

Boston, Mass. — *Albany St., rear No.* 439, Ward 17, one-st'y brick cleaning-room, flat roof, 19′ x 22′; owners and builders, West End R. R. Co.

Milk St., Nos. 45 and 47, cor. Devonshire St., Ward 10, eight-st'y brick and stone building, flat roof; owner, International Trust Co.; builders, Gooch & Pray.

Union Park St., near Harrison Ave., Ward 17, five-st'y brick building, pitch roof, 72′ x 132′; for Working Girls Home; builders, Keening & Stroat Bros.

Brooklyn, N. Y. — *Greenpoint Ave.*, cor. Sutton St., five-st'y brick still, gravel roof; cost, $7,500; owner, H. B. Riggs, 26 Broadway, New York City.

Chicago, Ill. — M. J. Lamyon, two-st'y storehouse, 323 Englewood Ave.; cost, $3,000.

West Chicago Street Railway Co., power-house, 200 Jefferson St.; cost, $100,000.

John Dusek, four-st'y hall and flats, 461-471 West Eighteenth St.; cost, $90,000.

C. T. Drake, two-st'y salesroom, 298-300 West Jackson St.; cost, $3,000.

H. L. Foss, three-st'y photograph gallery, 447 West Monroe St.; cost, $4,500.

James A. Sexton, foundry, 70-100 Erie St.; cost, $8,500.

Union Switch Signal Co., power-house, 81 Elgin St.; cost, $5,000.

The Aermotor Co., one-st'y shed, 1219-1233 Graham St.; cost, $5,000.

Detroit, Mich. — Gordon W. Lloyd, brick building for Diamond Match Co., Eighth St.; cost, $35,000.

Henry Carew & Co., brick manufactory, 51-61 Iron St.; cost, $13,000; and police station, 1001 Vinewood Ave.; cost, $8,000.

Providence, R. I. — *Brayton Ave.*, s w cor. West Exchange St., two-st'y brick building; owner, Geo. S. Smith; builder, John S. Reed.

Rochester, N. Y. — *North Clinton St.*, Eureka Club-house, granite and pressed-brick; Renaissance style; cost, $10 ,000; architects, Nolan, Nolan & Stern.

South Washington St., three-st'y brick building; owner, Adam Vogel.

Worcester, Mass. — *East Worcester St.*, two-st'y brick storehouse; owners and contractors, Norcross Bros.

COMPETITION.

SCHOOL-HOUSE.

[**At Winchester, Mass.**]

Plans wanted for a four-room wooden school-house upon the Rumford lot, Winchester, Mass., each room to have seating-capacity for fifty pupils, with proper hallways and dressing-rooms; heating, sanitation and ventilation to conform to the requirements of the State Inspectors.

Total cost not to exceed $9,000.

Preliminary plans to be furnished with estimate, without cost unless accepted.

Estimates to include all expenses of construction and supervision.

Plans and estimates to be forwarded to and received by the undersigned **on or before 12 o'clock M., May 27, 1892.**

GEORGE S. LITTLEFIELD,
Box 444, Winchester, Mass.

856

PROPOSALS.

CITY-HALL.

[**At Brockton, Mass.**]

Proposals for the furnishing of material and performing of all labor required for putting in and finishing the interior wood finish, the painting and finishing, plumbing and gas-piping, steam-heating, elevator, vault doors, brick heating ducts, iron staircase work, electric lighting, marble work, tile work and plate glass for new City-Hall now building in Brockton, Mass.; proposals to be directed to Ziba C. Keith, Mayor, and indorsed "Proposals for City-Hall." An approved bond will be required of the successful bidders.

All proposals must be in **on or before 6 P. M. May 30, 1892.**

The committee reserve the right to reject any or all proposals as the interests of the city may appear.

Plans and specifications may be seen at the office of W. L. Minor, Architect, Brockton, Mass.

W. L. MINOR,
For the Committee. 856

Treasury Department, Office Supervising Architect, Washington, D. C., May 17, 1892. Sealed proposals will be received at this office until two o'clock P. M. on the 10th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the alterations and improvements, also for repairs and additions to the steam-heating and ventilating apparatus, and also for the electric wiring and electric call-bell and annunciator service for the United States Post-office, Court-house, etc., building at Syracuse, N. Y., in accordance with drawings and specifications for each branch, copies of which may be had on application at this office or the office of the Superintendent at Syracuse, N. Y. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids and to waive

(*Continued on page* xxiv.)

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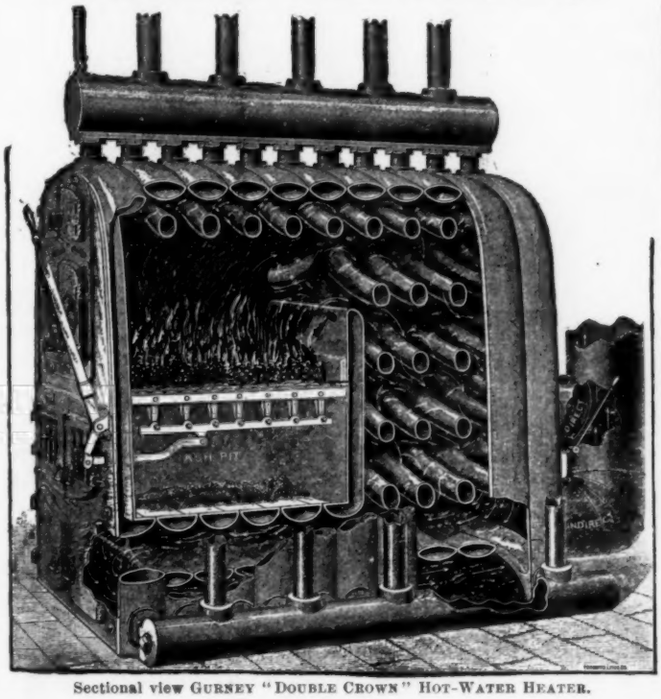

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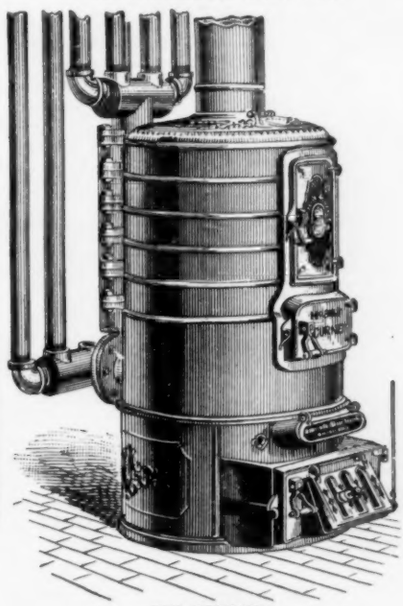

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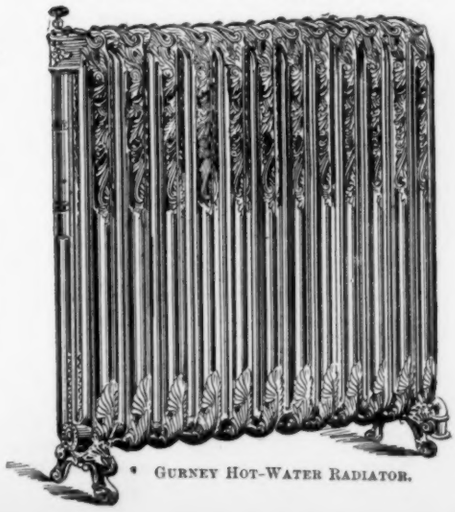

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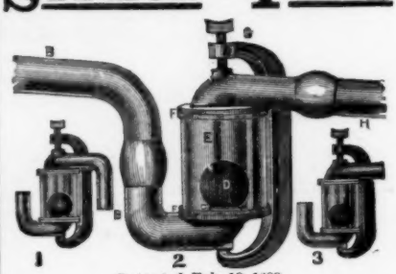

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PROPOSALS.

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Treasury Department, Office Supervising Architect, Washington, D. C., May 17, 1892. Sealed proposals will be received at this office until two o'clock, P. M. on the 15th day of June, 1892, and opened immediately thereafter for all the labor and material required for the trench excavation, foundations, cut-stone work and brick work, wood floor and roof construction, roof covering, approaches, etc., of the United States Court-house and Post-office building at Sioux Falls, South Dakota, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Sioux Falls, South Dakota. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Trench Excavation, Foundations, Stone and Brick Masonry, Iron and Wood Floor and Roof Construction, Roof Covering, etc., for the United States Court-house and Post-office building at Sioux Falls, South Dakota," and addressed to W. J. EDBROOKE, Supervising Architect. 857

Proposals for Glass, Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., May 19, 1892. Sealed proposals for furnishing and delivering the polished plate and double thick window-glass required for the book stack windows of the Building for the Library of Congress in this city, will be received at this office until two o'clock P. M. on Thursday, the 9th day of June, 1892, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 858

Treasury Department, Office Supervising Architect, Washington, D. C., May 7, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 7th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the trench excavations, foundations, cut-stone and brick work of the basement and area walls, also, furnishing and putting in place complete the iron columns in basement and the beams and girders for first story floor of the United States Post-office, etc., building at Worcester, Mass., in accordance with the drawings and specifications, copies of which may be had on application at this office or the office of the Superintendent at Worcester, Mass. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Trench Excavation, Foundations, Cut-stone and Brick Work of Basement and Area Walls" or for "Iron Columns in Basement and First Floor Beams and Girders, etc. (as the case may be), for the United States Post-office, etc., building at Worcester, Mass.," and addressed to W. J. EDBROOKE, Supervising Architect. 856

Treasury Department, Office of Supervising Architect, Washington, D. C., May 9, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 31st day of May, 1892, and opened immediately thereafter, for all the labor and materials required for the pit and trench excavation and piling for foundations for the United States Post-office building at Washington, D. C., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Washington, D. C. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Trench and Pit Excavation and Piling for Foundations for the United States Post-office at Washington, D. C.," and addressed to W. J. EDBROOKE, Supervising Architect. 856

Treasury Department, Office Supervising Architect, Washington, D. C., May 5, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 3d day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the excavation, foundations, cut-stone work and brick-work of the basement and area walls, basement columns, first floor iron beams and wood joists, man-hole and sewer connection, for the United States Post-office building at Cedar Rapids, Iowa, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Cedar Rapids, Iowa. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Excavation, Foundations, Cut-stone Work and Brick Work of the Basement and Area Walls, etc., for the United States Post-office building at Cedar Rapids, Iowa," and addressed to W. J. EDBROOKE, Supervising Architect. 856

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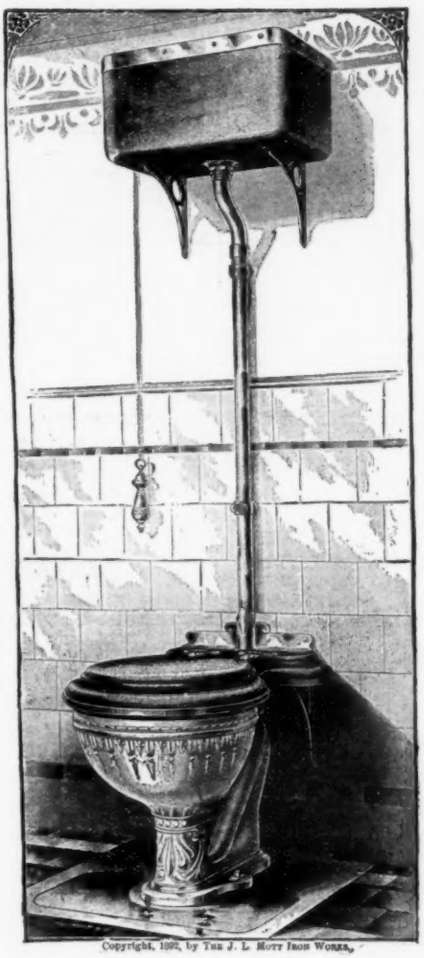

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[*See Alphabetical Index on page VII for Pagination.*]

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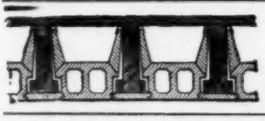
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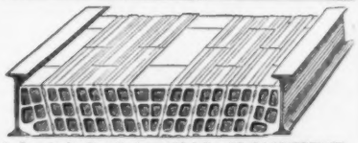
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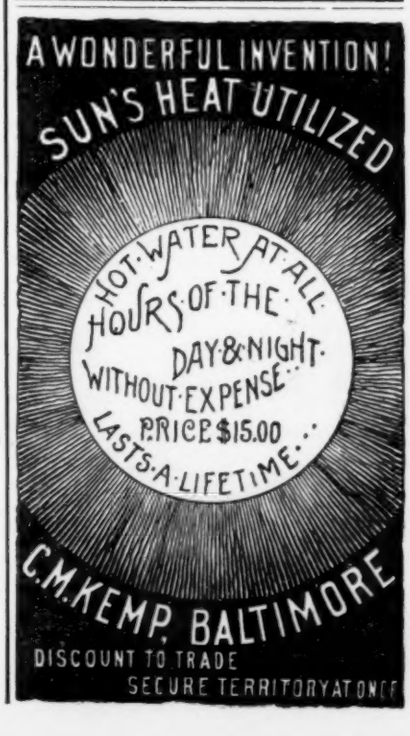

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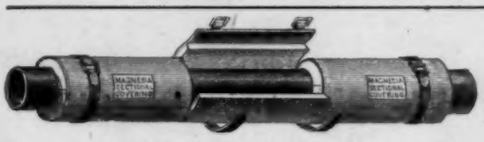

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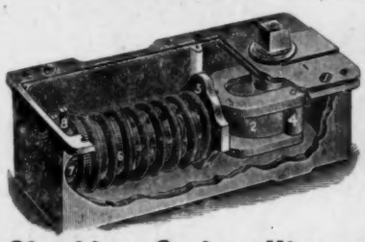

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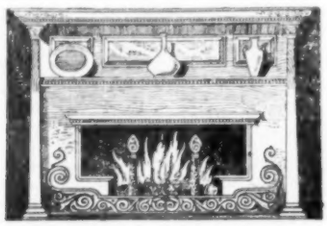

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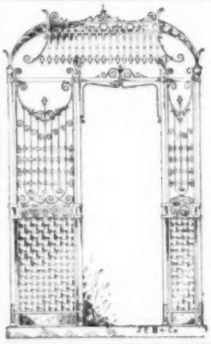

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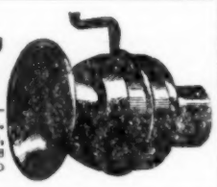

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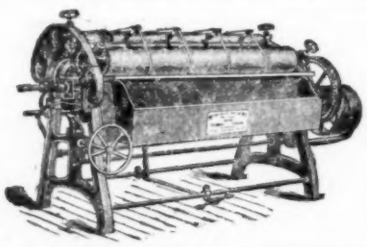

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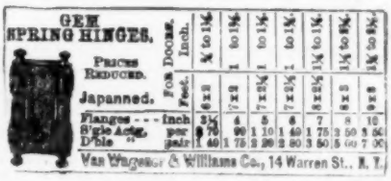

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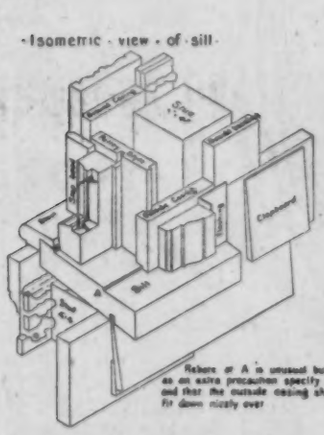

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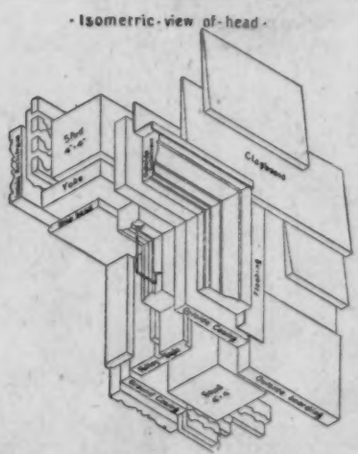

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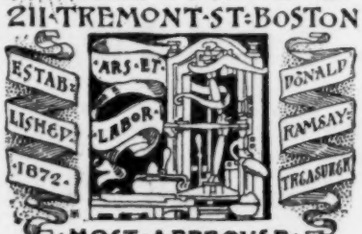

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Cedar split ₱ M.	@	@	*Not sold.*	24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ₱ M. *(First Qual.*				
Ash *(Kiln-dried.)*	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 46 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 42 00

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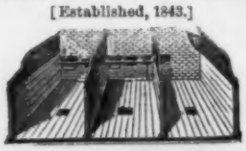
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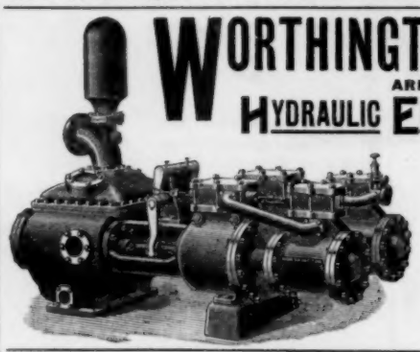
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BRICK.—₱ M.	New York. (Wholesale Prices.)	Boston. (Wholesale Prices.)	Chicago. (Prices to Builders and Contractors.)	Philadelphia. (Prices to Builders and Contractors.)
Common: *Cargo afloat.*				In Yard.
Pale	1 50 @ 2 00	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25			" @ 7 00
Long Island	@ 6 00	Bay State Hard 7 00 @ 8 00		Salmon @ 5 00
Up River	5 25 @ 5 50	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Light Stretchers
" 1st	@ 6 00	Philadelphia 40 00 @ 45 00		Medium " @ 10 00
Hollow	@ 13 00	Phila. mould 50 00 @ 80 00		Red " @ 12 00
Fronts:				Dark " @ 13 00
Croton, Brown	@ 13 00		15 00 @ 27 00	Pressed 18 00 @ 20 00
" dark	@ 14 00		65 00 @ 350 00	Best Paving @ 14 00
" red	@ 14 00		@ 55 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @ 50 00	Third " @ 12 00
" Moulded			45 00 @	
Baltimore	37 00 @ 41 00	Anderson 14 00 @ 32 00	25 00 @	Dom. @ 65
Philadelphia	23 00 @ 24 00		60 00 @ 100 00	@ 82
Trenton	22 00 @ 23 00		30 @	
Milwaukee			35 @	
Moulded:			55 00 @ 65 00	
Glens Falls Red Pressed	@ 37 00			
" " Buff "	@ 30 00		@ 100 00	
" " Moulded Red & Buff	45 00 @ 70 00		@ 120 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @100 00			
Enamelled (edge and end)	90 00 @115 00			
CEMENT, LIME, etc.—(₱ *cask.*)			*Not sold.*	1 30 @ 1 50
Rosendale Cement	85 @ 95	1 20 @ 1 40	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Louisville "	*Not sold.*	Brooks, S. & Co. 2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Utica, Akron, Buffalo, Milw'kee.	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " (K. B. & S.)	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " Black Cross	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (Burnham)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" " (White's)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" French (Lafarge)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" German (Alsen)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Fewer)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Vorwohler)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Lagerdofer)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Dyckerhoff)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " (Hanover)	2 35 @ 2 85		*Not sold.*	
" " Stettin, (Anchor)	1 75 @ 2 00	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
" American (Saylor's)	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Roman	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
Keene's coarse	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
" superfine				
Lime:			*Not sold.*	White Lime ₱ bush
Lime of Teil	3 50 @ 4 00	@ 1 35	55 @	25 @ 30
Hydraulic Lime	@ 1 45	St. John 1 00	60 @	White Mash
Chicago Lime in bulk			*Not sold.*	1 25 @ 1 50
Wisconsin Lime		@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, (Com.)	@ 85	@ 1 10	1 00 bulk, 75c.	
Rockland and Rockport, finish	@ 95	@ 1 20	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	*Not sold.*	*Not sold.*	*Not sold.*
State, com. cargo rates (nom.)	@ 82	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
Plaster of Paris (calcined)	1 20 @ 1 25	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
" (casting)	1 30 @ 1 35	25 @ 30	20 @ 25	20 @ 25
Hair (Cattle) ₱ *bush.*	16 @ 18	@ 30	30 @ 35	30 @ 35
" (Goat)	21 @ 25	1 75 @ 1 90	@ 60	@ 1 50
Sand, ₱ *load*	1 00 @ 1 25			
STONE. (₱ *cubic foot, rough.*)		@ 60		55 @ 65
Granite: (*Maine*)				
Limestone:				75 @ 90
Bedford	45 @ 1 25	95 @ 1 00	50 @	Richmond
Joliet	@ 1 00		35 @ 55	75 @ 1 50
Lemont	@	10 50 per ton	35 @ 60	₱ Perch @ 4 5
Serpentine	@		@ 1 00	

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Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.)*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th.10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	1 05 @ 1 35
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.)*				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	1 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	325 @ 4 00
" black, Lehigh	@	@	7 30 @ 8 00	00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	@	@	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M.	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading				
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	42 @ 43	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	45 @ 46	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 36	51 @ 51	@ 44
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1¼ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 29	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 29	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 40	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4″ x 4″ ...(℔ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.)
Plain	@ 1 50	@ 1 75	*Not Sold.*	@ 90
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 00
Acorn, Japanned	@ 65	@ 50	*Not Sold.*	1 35 @ 2 75
Ball Tip, Boston Finish ...(℔ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	48 @ 50
Bronze metal	@ 10	@ 10	@ 12	@ 1 25
Brass (for cupboards.)	@	@	@	@ 1 00
Ebony	@	@	@	@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not Sold.*
Lava	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Hemacite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, solid	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6½
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe				
Iron:	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, up to and including 36 ft	@	@	3 20 @ 3 70	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10
Channel Beams				

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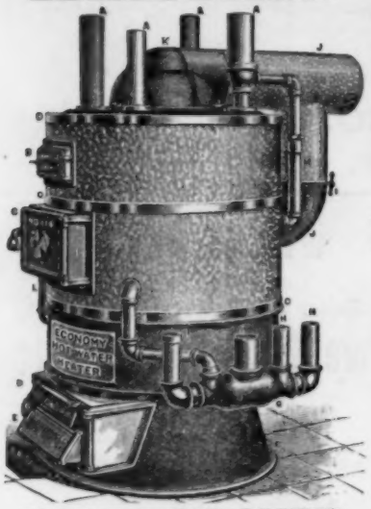

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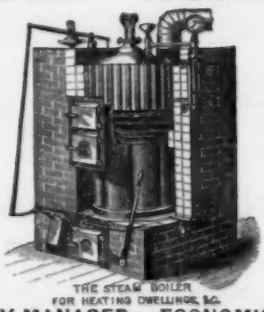

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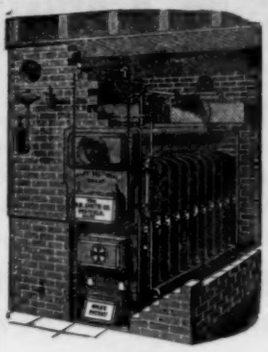

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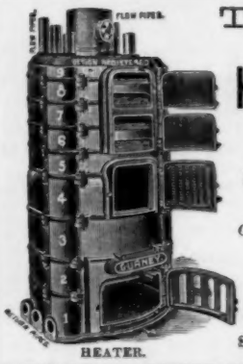

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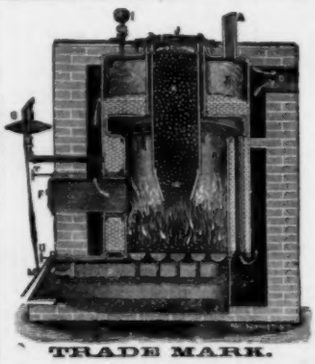

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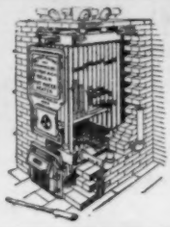

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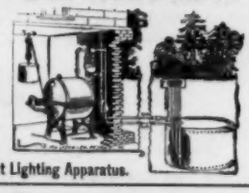

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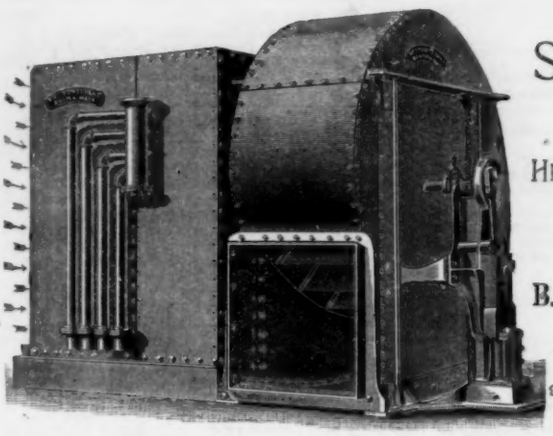

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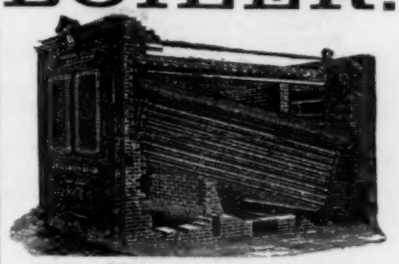

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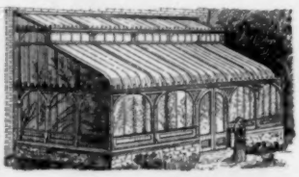

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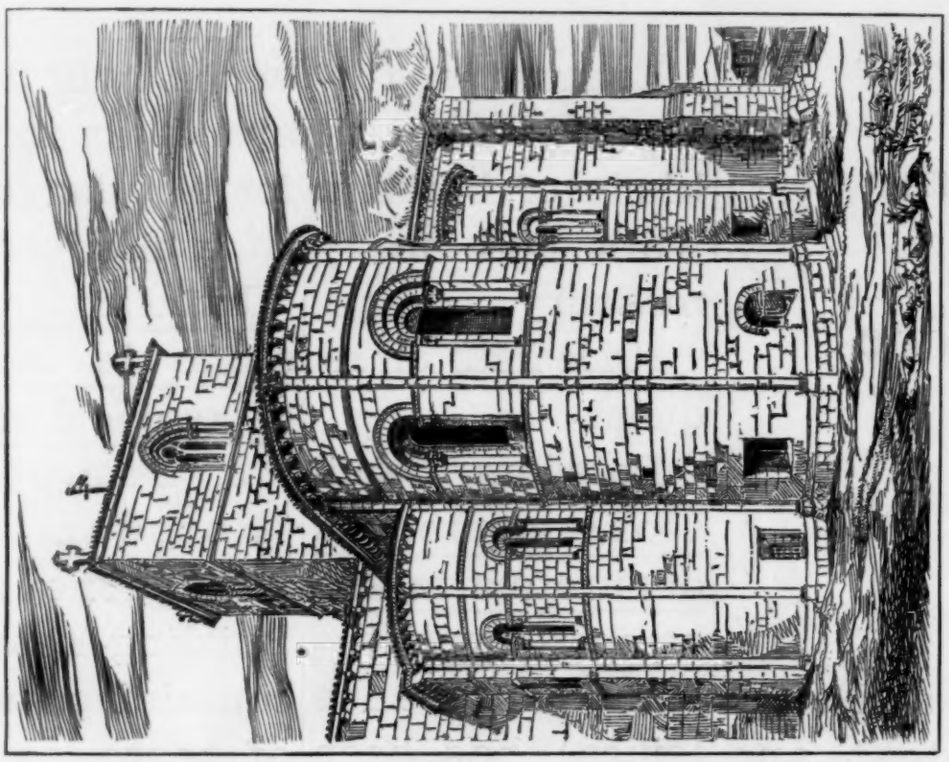

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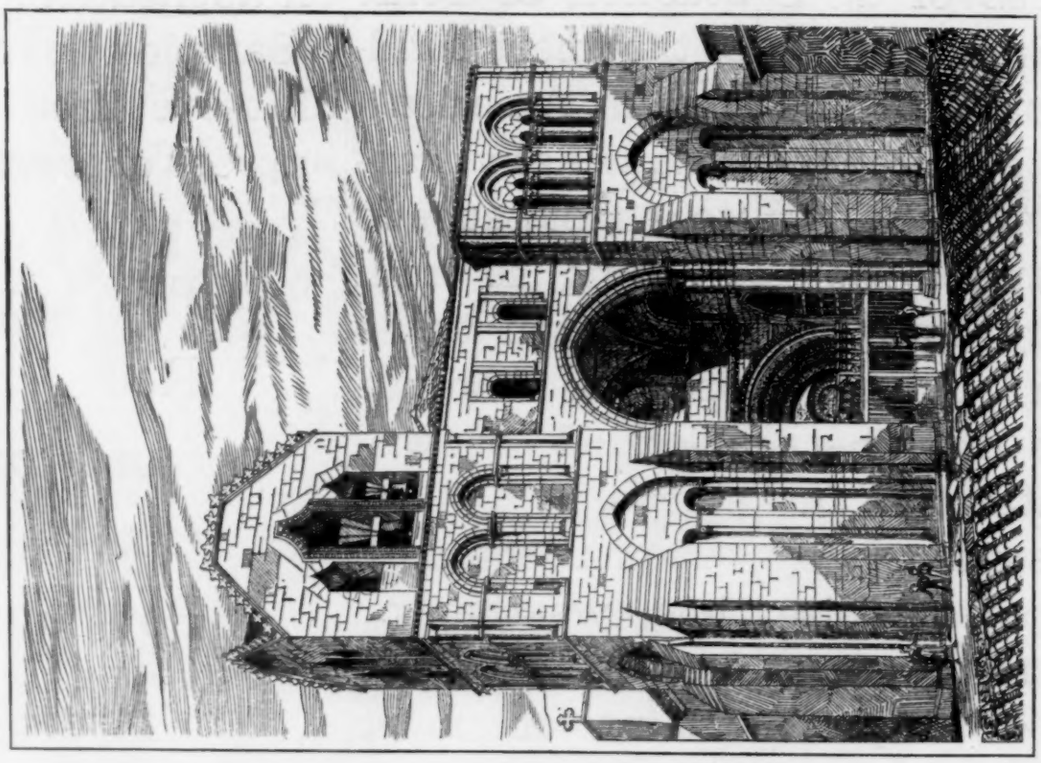

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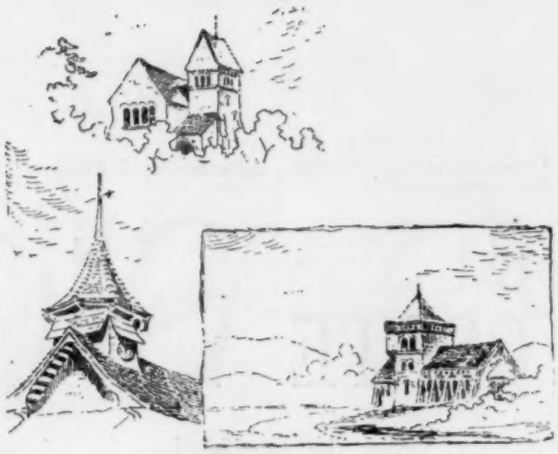

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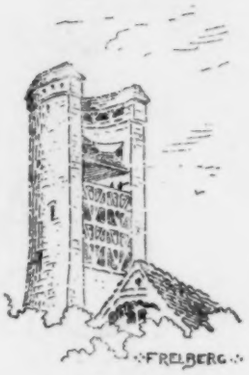

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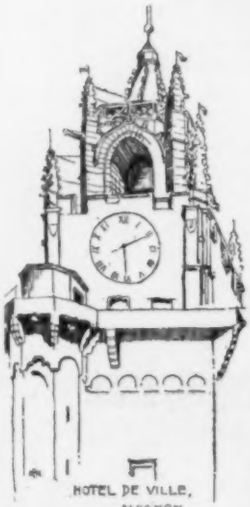

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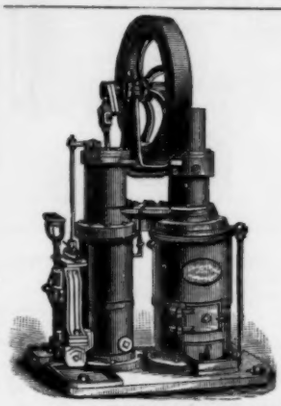

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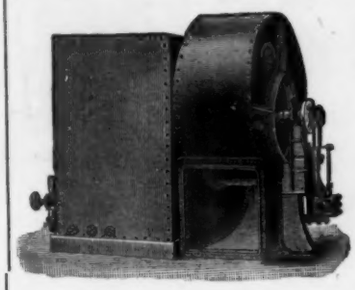

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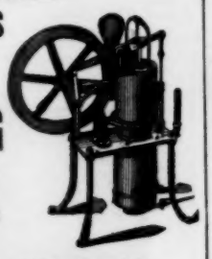

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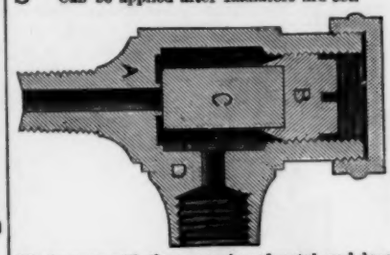

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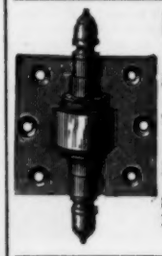

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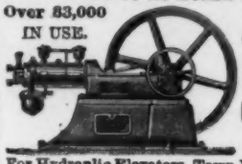

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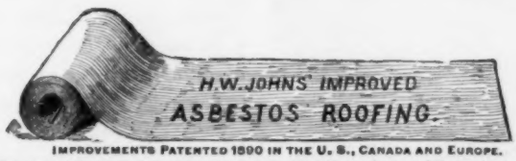

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From Leghorn. — Steamer "*Assyria*," 13 blocks marble, Pells & Co.; 20 do., G. Amsinck & Co.; 4 marble slabs and columns, R. Reutter; 55 marble blocks, C. Roussel; 5 do., Volkening & Co.; 19 do., order.

From Liverpool. — Steamer "*City of Berlin*," 18 hard wood logs, order. Steamer "*Servia*," 26 logs hard wood, order. Steamer "*Greece*," 715 casks bricks, order.

From London. — Steamer "*Richmond Hill*," 1 case cement, Delmar & Howden; 500 do., C. J. Stevens; 1,000 do., Brown Bros. & Co.; 1,000 do., E. Thiele; 1,500 do., order. Steamer "*Ebro*," 500 casks cement' Bank of British North America; 500 do., C. J. Stevens; 2,000 do., order.

From Marseilles. — Steamer "*Neustria*," 1 block marble, order. Ship "*Leonora*," 200 tons asphalt, E. H. Wootton.

From Newcastle. — Steamer "*Croma*," 50,000 fire-bricks, Hammill & Gillespie; 2,800 casks cement, Bowring & Archibald; 6 blocks stone, order.

From Port Spain.—Brig "*Waubun*," 600 tons crude asphalt, order.

From Santa Cruz. — Bark "*Ida*," 1,487 logs mahogany, order.

From Stettin. — Steamer "*Island*," 410 barrels cement, E. Thiele & Co.; 1,000 do., H. Marquardt & Co.; 2,000 do., order.

From Trinidad. — Steamer "*Tordenskjold*," 1,500 tons crude asphalt, order.

From Vera Cruz. — Steamer "*Yucatan*," 122 blocks marble, E. Zarang & Co.; 91 logs mahogany, Graham, Hinckley & Co.

From Windsor, N. S. — Bark "*George Davis*," 1,050 tons lump plaster, J. F. Whitney & Co.

From Zaza. — Bark "*Nina*," 2,043 logs cedar, H. W. Erichs & Co.

(*Continued on page* xvii.)

FACTS ABOUT
HARD OIL FINISH.

CONDITIONS OF SUCCESS.

In these matter-of-fact days it is out of the question for any manufactured article to win and maintain a position at the head and front of all similar articles, or articles for a like use, unless it possesses in itself a powerful backing in the shape of actual merit. Skilful advertising will often gain for a worthless article a transient popularity; but let that article be tried and found wanting, and its demise is only a matter of time.

Among the many reasons why Hard Oil Finish is the most generally adopted interior finish, there are four which may be especially referred to, and they are, its possession in a more marked degree than any other interior finish of the following qualities:

1. Reliability.
2. Adaptability.
3. Uniformity.
4. Durability.

With such a quartette of sterling qualifications, it is not strange that Hard Oil Finish is the leading interior finish; and has become as necessary to the Decorator as his varnish-brush.

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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Chicago, Ill.— Ella Goodwin, three-st'y addition, 38 Bryant Ave.; cost, $3,000.
Bruce Makin, three-st'y addition, 723 West Indiana Ave.; cost, $3,000.
Joseph Kipley, two-st'y addition, 3735 Forest Ave.; cost, $3,000.
William Grosseck, two-st'y addition, 1171 West Adams St.; cost, $4,000.
Nelson Johnson, two st'y addition, 818 Warren Ave.; cost, $3,000.
R. M. Hooley, five-st'y addition, 541 Wabash Ave.; cost, $12,000.
Michael Lonegan, three-st'y addition, 305 Mohawk St.; cost, $3,000.
C. B. King, one-st'y addition, 171-177 North State St.; cost, $12,000.
M. F. Laughlin, one-st'y addition, 88-92 South Water St.; cost, $4,000.
H. T. Tilloton, five-st'y addition, 1227 Michigan Ave.; cost, $20,000.
North Chicago Street Railway Co., one-st'y addition, 1721-1731 Diversey St.; cost, $10,000.
C. F. Gobel, four-st'y addition, 244 East Ohio St.; cost, $10,000.
O. C. Cleave, basements, 4006-4014 Michigan Ave.; cost, $4,000.
Charles Salmon, one-st'y addition, 6519-6521 Yale St.; cost, $4,000.
Patrick Griffin, two-st'y addition, 325 Johnson St.; cost, $3,500.
John Leach, three-st'y addition, 4351 St. Laurence Ave.; cost, $3,000.

Cincinnati, O.—T. Howley, three-st'y brick addition, 519 West Fifth St.; cost, $3,500; architect, W. Picket.

Montreal, Can.—*Bleury St.*, annex to Gesu College; cost, $55,000; owners, Jesuit Fathers; architects, Perreault & Mesnard, 11 Place d'Armes Hill.

APARTMENT-HOUSES.

Chicago, Ill. — John Niehle, two-st'y flats, 406 Dudley St.; cost, $4,000.
M. L. Schmidt, 2 two-st'y flats, Eighty-sixth St. and Vincennes Ave.; cost, $6,000.
J. C. Coe, 2 two-st'y flats, Seventy-first St. and Wentworth Ave.; cost, $10,000.
F. H. Brown, 2 four-st'y flats, 3731-3173 Langley Ave ; cost, $25,000.
Elizabeth McIntyre, three-st'y flats, 801 West Taylor St.; cost, $4,300.
John Carlson, three-st'y flats, 528 Forty-sixth St.; cost, $6,000.
R. Tuthill, four-st'y flats, 495 Forty-ninth St.; cost, $8,000.
Dr. F. N. Benson, 2 two-st'y flats, 34-36 Ninety-first St.; cost, $6,000.
Charles Bielfuss, 2 three-st'y flats, Halsted and Sixty-first Sts.; cost, $20,000.
Joseph M. Thinnes, two-st'y flats, 1794 Twenty-second St.; cost, $3,000.
Frank Preussner, three-st'y flats, 493 Winchester Ave.; cost, $6,000.
John Toley, three-st'y flats, 602 Ashland Ave.; cost, $7,000.
J. Clark, three-st'y flats, 2131 Michigan Ave.; cost, $7,500.
Harry Morgan, two-st'y flats, 1534 West Monroe St.; cost, $8,000.
Chapman Bros., 2 two-st'y flats, 1028-1030 Jackson St.; cost, $10,000.
L. C. Degener, two-st'y flats, 7635 Stewart Ave.; cost, $4,000.
William Schaar, four-st'y flats, 311 West Eighteenth St.; cost, $6,000.
Mary Gwesbeck, four-st'y flats, 344 West Madison St.; cost, $15,000.
B. Smith, three-st'y flats, 955 North Robey St.; cost, $3,000.
William Miller, three-st'y flats, 4332 Evans Ave.; cost, $5,000.

BUILDING INTELLIGENCE.

R. G. Eckstein, 5 three-st'y flats, 4425-4427 Vincennes Ave.; cost, $24,000.
Henry Hanner, two-st'y flats, Seventy-first Pl. and Jefferson Ave.; cost, $3,000.
James S. Kald, three-st'y flats, 2720 Archer Ave.; cost, $11,000.
Vaclay Belsam, three-st'y flats, 844 James Ave.; cost, $5,800.
Hubert Mensler, two-st'y flats, 782 Hinman St.; cost, $4,500.
William Waertel, two-st'y flats, 361 West Division St.; cost, $4,500.
J. Johnson, four-st'y flats, 228 North May St.; cost, $7,000.
Albert Wright, two-st'y flats, 1591 Harrison St.; cost, $3,300.
P. White, 2 three-st'y flats, 335-337 Courtland Ave.; cost, $7,500.
C. W. Upp, three-st'y flats, 4739 Evans Ave.; cost, $6,500.
M. A. Hogeman, 4 two-st'y flats, 3625-3627 Dearborn St.; cost, $12,000.
O. F. Korsch, three-st'y flats, 1760 Wrightwood Ave.; cost, $5,000.
P. Witte, three-st'y flats, 314 Courtland Ave.; cost, $3,500.
Nicholas Walter, three-st'y flats, 481 North Robey St.; cost, $6,000.
John Lembke, three-st'y flats, 368 Hoyne Ave.; cost, $4,500.
William Katz, two-st'y flats, 98 Water St.; cost, $4,500.
Albert Malowsky, two-st'y flats, 3116 Laurel St.; cost, $3,000.
W. D. Clark, three-st'y flats, 3612 Armour Ave.; cost, $3,700.
August Walhor, two-st'y flats, 532 North Normal Park; cost, $3,000.
William J. M. Lantine, two-st'y flats, 1062 Clifton Park Ave.; cost, $4,000.
Carl W. Johnson, five-st'y flats, 104 Townsend St.; cost, $13,000.
James Wucha, three-st'y flats, 1073 West Nineteenth St.; cost, $3,600.
Annie McCann, three-st'y flats, 1316 Wrightwood Ave.; cost, $6,000.
F. W. Scott, three-st'y flats, 1191 West Fifteenth St.; cost, $6,000.
H. A. Rust, six-st'y apartment building, 140-149 Thirty-ninth St.; cost, $100,000.
P. Conway, two-st'y flats, 25 North Leavitt St.; cost, $3,700.
A. P. Ernest, three-st'y flat, 604 Washburn Ave.; cost, $4,000.
August Simon, two-st'y flat, 300 Homer St.; cost, $4,000.
Chapman Bros., 6 three-st'y flats, 156-164 Laflin St.; cost, $40,000.
James O'Connell, 2 three-st'y flats, 240-242 Fulton St.; cost, $16,000.

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BUILDING INTELLIGENCE.

J. H. Bloom, four-st'y flats, 267 Thirty-fifth St.; cost, $12,000.

J. E. Pershing, 4 three-st'y flats, 337-343 Fifty-third St.; cost, $40,000.

James Madden, two-st'y flats, 4733 Indiana Ave.; cost, $4,500.

J. N. Heacock, 2 two-st'y flats, 5714-5716 Sherman St.; cost, $3,600.

C. Johnson, two-st'y flats, 5240 Dearborn St.; cost, $3,000.

Cincinnati, O. — Mrs. Angeline Elstein, four-and-one-half-st'y brick and stone flats, Chapel and Woburn Aves.; cost, $25,000; architects, Des Jardens & Hayward.

New York, N. Y. — *One Hundred and Thirty-fourth St.*, s s, 150′ w Lenox Ave., 10 five-st'y brownstone flats; cost, $170,000; owners, T. J. Jenkins & Bro.; architect, Geo. M. Walgrove.

One Hundred and Thirty-fourth St., bet. Fifth and Lenox Aves., 5 five-st'y brownstone and brick flats; cost, $80,000; owner, Louis Wirth; architect, John Hauser.

Madison Ave., s e cor. Ninety-ninth St., six-st'y buff brick and stone apartment-house; cost, $100,000; owners, Muldoon Bros.; architect, F. A. Minuth.

One Hundred and Fiftieth St., n s, 150′ e Manhattan Ave., 2 five-st'y brownstone flats; cost, $44,000; owner, Thomas Cowman; architect, F. A. Minuth.

Park Ave., n w cor. Sixty-fifth St., six-st'y brick flat, tin roof; cost, $50,000; owners, Thomas McLoughlin & Co., 1114 Third Ave.; architects, Thom & Wilson, 1267 Broadway.

Avenue C, e s, 92′ 6″ s Sixth St., five-st'y brick flats, tin roof; cost, $27,000; owner, Amond Johnson, Fox St. and Westchester Ave.; architect, John C. Burne, 1531 Third Ave.

One Hundred and Twenty-fourth St., s e cor. Amsterdam Ave., five-st'y brick flat, tin roof; cost, $15,000; owners, Quincy & Harris, 571 Broadway; architect, Clarence True, Eighty-eighth St. and Boulevard.

Monroe St., No. 73, five-st'y brick flat, tin roof; cost, $20,000; owner, Michael Cusack, 233 Grand St.; architect, A. Sovestre, 233 Grand St.

Madison St., No. 144, five-st'y brick flat, tin roof; cost, $20,609; owner, Michael Cusack, 233 Grand St.; architect, A. Sovestre, 233 Grand St.

Second Ave., e s, 25′ n Forty-third St., five-st'y brick flat, tin roof; cost, $18,000; owner, Sarah A. Taglibue, 213 East Fifty-seventh St.; architect, Frank A. Rooke, 247 West One Hundred and Twenty-fifth St.

First Ave., s w cor. One Hundred and Twenty-fourth St., 2 five-st'y brick flats, tin roofs; cost, $32,000; owner, August Jacob, 260 East Seventy-eighth St.; architect, Edward Wenz, 1491 Third Ave.

West Fifteenth St., Nos. 219-221, 2 five-st'y brick flats, tin roofs; cost, $32,000; owner, William Rankin, One Hundred and Sixty-third St. and North River; architect, James W. Cole, 463 West Fifty-first St.

Second Ave., No. 485, five-st'y brick flat, tin roof; cost, $20,000; owner, George Levinson, 485 Second Ave.; architect, Bruno W. Berger, Room 80, Bible House.

Ninetieth St., n s, 150′ w Ninth Ave., five-st'y brick flat, tin roof; cost, $20,000; owners, Conlan & Gannon, 131 East One Hundred and Eleventh St.; architect, John C. Burne, Third Ave. and Eighty-sixth St.

St. Louis, Mo. — Two-and-one-half-st'y brick flat; cost, $5,000; owner, J. Dews; contractor, L. Horman.

Two-and-one-half-st'y brick flat; cost, $6,800; owner, O. R. Fries; contractor, L. Horman.

CHURCHES.

Aylmer, Que. — Roy & Gauthier, architects, 180 St. James St., Montreal, Can., have prepared plans for a Roman Catholic church.

Chicago, Ill. — Ridgeway Avenue Presbyterian Church, 378 Ridgeway Ave.; cost, $3,000.

Fitchburg, Mass. — Roy & Gauthier, architects, 180 St. James St., Montreal, Can., have prepared plans for a Roman Catholic church.

Grenville, Que. — Rev. M. Mouseau will build a Presbyterian church, to cost about $50,000.

Montreal, Can. — *Moreau St.*, Roman Catholic church for Rev. M. Brissette; architects, Perrault & Mesnard, 11 Place d'Armes Hill.

Architect James Ames, 200 St. James St., has prepared plans for a Presbyterian church, to cost $22,000.

Pakenham, Ont. — Roy & Gauthier, architects, 180 St. James St., Montreal, Can., have prepared plans for a Roman Catholic church.

Rome, Ga.—The Episcopalians contemplate building a church, to cost about $50,000.

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BUILDING INTELLIGENCE.

St. Albert, Ont.—Roy & Gauthier, architects, 180 St. James St., Montreal, Can., have prepared plans for a Roman Catholic church.

St. Joachim de Shefford, Que. — Roy & Gauthier, architects, 180 St. James St., Montreal, Can., have prepared plans for a Roman Catholic church.

West Manchester, N. S. — Roy & Gauthier, architects, 180 St. James St., Montreal, Can., have prepared plans for a Roman Catholic church.

FACTORIES.

Boston, Mass.—*A St., No.* 167, *rear*, Ward 13, 4 one-st'y frame buildings for factory purposes; owners, Massachusetts Chemical Co.; builder, James Curtis.

New York, N. Y. — *West Third St.*, s e cor. Greene St., six-st'y brick factory, tin roof; cost, $30,000; owner, John T. Williams, 407 Broadway.

HOTELS.

New York, N. Y. — *Broadway*, n e cor. Forty-first St., seven-st'y brick hotel, tin roof; cost, $150,000; owner, Meyer T. Sire, 61 West Fifty-first St.; architect, R. Napier Anderson, 74 Fifth Ave.

HOUSES.

Baltimore, Md. — George Utterbaugh, 8 three-st'y frame cottages, beg. s e cor. Ninth and Northwest Sts.; 4 two-st'y brick buildings, beg. n e cor. Pressman St. and Vincent Alley; and 4 two-st'y brick buildings, e s Vincent Alley, n Presstman St.

E. B. Hunting, 2 three-st'y brick buildings, s w cor. Charles and Fourth Sts.

W. W. Tucker, 8 two-st'y brick buildings, n e s Clendennin St., e McCulloh St.

Jas. Hampson, Jr., 7 three-st'y brick buildings, e s Madison Ave., bet. North Ave. and Ducatelle St.; and 7 two-st'y brick buildings, w s Morris Alley.

David Brauer, 2 three-st'y brick buildings, s e cor. Harford Ave. and Lanvale St.

J. W. Hoffacker, 10 two-st'y brick buildings, w s Bethel St., bet. Federal and Lanvale Sts.

J. A. Wilson, architect, has prepared plans for Geo. A. Blake for 6 three-st'y and mansard dwells., n s Biddle St., beg. n w cor. Maryland Ave., to cost about $10,000.

Boston, Mass. — *Bay State Road, Nos.* 39-45, Ward 22, 4 four-st'y brick dwells., flat roofs, 24.9′ x 60′; owners and builders, Chadwick & Stillings.

Granger St., No. 62, Ward 24, frame dwell., 24′ x 30′; owner, J. H. Pierce; builder, W. J. Jobling.

Rosemont St., near Adams St., Ward 24, frame dwell., 30′ x 35′; owner, R. A. Abbott; builder, H. B. Rankin.

Dunboy St., near High St., Ward 25, frame dwell 26.4′ x 57.10′; owner, Helen M. Parker; builder, V. N. Cutter.

Putnam St., No. 168, Ward 1, three-st'y frame dwell., flat roof, 21′ x 34′; owner, Fannie Goodwin; builder, Wilbur Goodwin.

Meridian St., cor. Lexington St., and near Lexington St., 2 three-st'y frame dwells., flat roofs, 20′ x 68′, and 21′ x 68′; owner and builder, G. W. Hargrave.

Richards Ave., near Huntington Ave., Ward 23, frame dwell., 24′ x 30′; owner, Mary G. Lovejoy; builder, W. E. French.

Brookfield St., cor. South Fairfield St., Ward 23, frame dwell., 24′ x 24′; owner and builder, P. M. Brown.

Beacon St., Nos. 910-912, Ward 22, 2 four-st'y brick dwells., flat roofs, 23′ x 58′; owner and builder, Samuel M. Shapleigh.

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BUILDING INTELLIGENCE.

Westminster St., No. 64, Ward 19, two-st'y brick dwell.; mansard roof, 20′ x 40′; owner, Anna T. Connelly; builder, T. Connelly.

Cleveland St., near Winthrop St., Ward 21, two-st'y frame dwell., hip roof, 27′ x 40′; owner, A. J. Foster; builder, E. M. Chapman.

Walnut Park, near Washington St., Ward 21, three-st'y frame dwell., 27′ x 43′; owner, Honora Dailey; builder, W. Tobin.

Washburn St., No. 17, Ward 15, three-st'y frame dwell., flat roof, 20′ x 35′; owner, John Farley; builder, P. F. Hanlon.

Josephine St., near Geneva Ave., Ward 24, frame dwell., 22′ x 37′; owner, F. D. Silva; builder, Manuel Silva.

Bayard St., near Franklin St., Ward 25, frame dwell., 23.6′ x 43′; owner, Marinus Slootmaker; builders, Alcock & McKay.

Fairview St., opp. Proctor St., Ward 23, frame dwell., 25′ x 42.6′; owner, Thomas Allicott; builder, Marshal Banks.

Bragdon St., No. 2, Ward 23, frame dwell., 20′ x 36′; owner, P. B. Goodsell; builders, Alcock & McKay.

Johnson St., near Jamaica St., Ward 23, three-st'y frame dwell., hip roof, 23′ x 40′; owner, John Bradley; builder, W. Tobin.

Guernsey St., near South St., Ward 23, three-st'y frame dwell., pitch roof, 24′ x 28′; owner, A. F. Weir; builder, Edwin Merlin.

Chelsea St., near Putnam St., Ward 1, 2 three-st'y frame dwells., flat roofs, 21′ x 34′; owner, Fanny Goodwin; builder, W. Goodwin.

Putnam St., No. 170, Ward 1, three-st'y frame dwell., flat roof, 21′ x 34′; owner, Fanny Goodwin; builder, W. Goodwin.

Bradlee St., near Washington St., Ward 24, frame dwell., 32′ x 41′; owner, S. A. Bolster; builder, J. G. Eaton.

Westville St., near Draper St., Ward 24, frame dwell., 24′ x 40′; owner, Mrs. M. C. Towle; builder, C. Barstow.

Josephine St., near Ditson St., Ward 24, frame dwell., 23′ x 44′; owner, F. D. Silva; builder, Manuel Silva.

Duncan St., near Granger Pl., Ward 24, frame dwell., 24′ x 30′; owner, J. H. Pierce; builder, W. J. Jobling.

Nightingale St., near Bernard St., Ward 24, frame dwell., 34′ x 40′; owner, C. F. Webb; builder, David Currier.

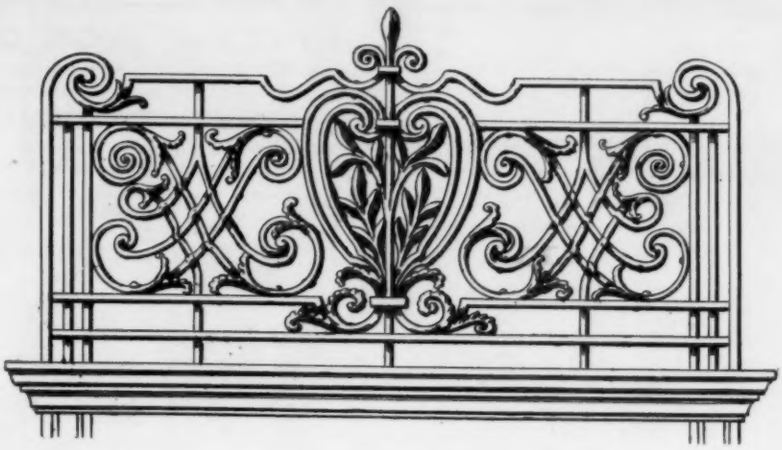
Ashmont St., near Washington St., Ward 24, frame dwell., 20′ x 37.6′; owner and builder, A. P. Rich.

Sagamon St., near Elton St., Ward 24, frame dwell., 27′ x 47.6′; owner, D. Bickford; builder, John Bass.

Hagar St., No. 5, Ward 23, three-st'y frame dwell., hip roof, 23′ x 52′; owner, O. F. Adams; builder, M. H. Fassett.

Linden Park, near Lamont St., Ward 19, three-st'y

(*Continued on page* xxi.)



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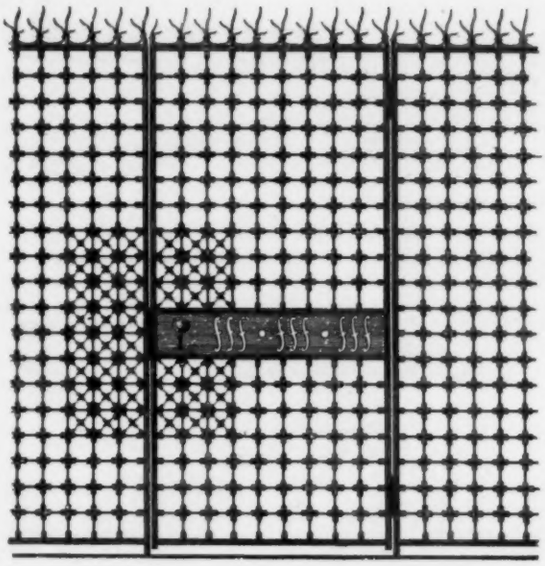

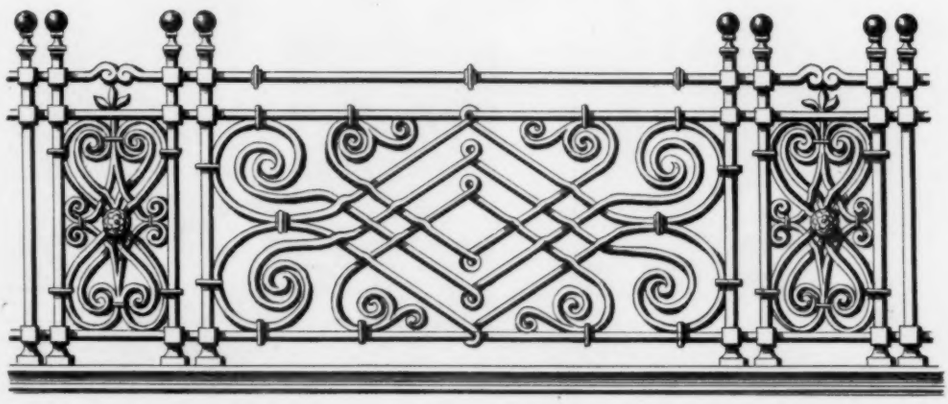

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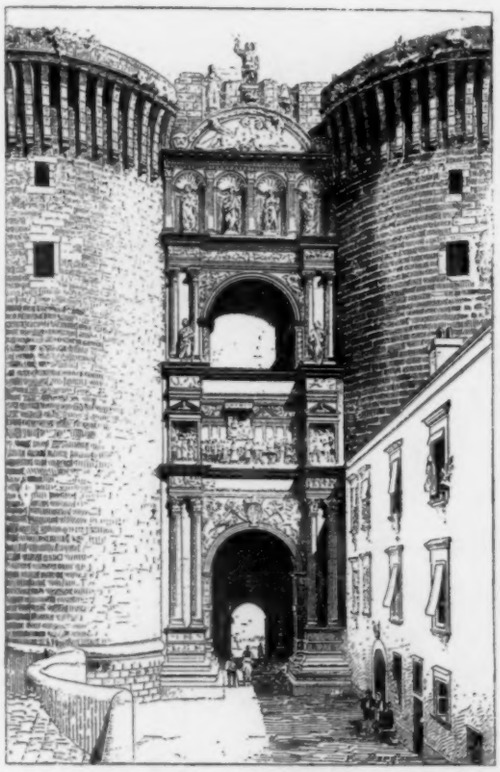
Outer Entrance of the Schloss, Tübingen, Wurtemberg.



Arch of Castello Nuovo, Naples.

The Capuan Gate, Naples.

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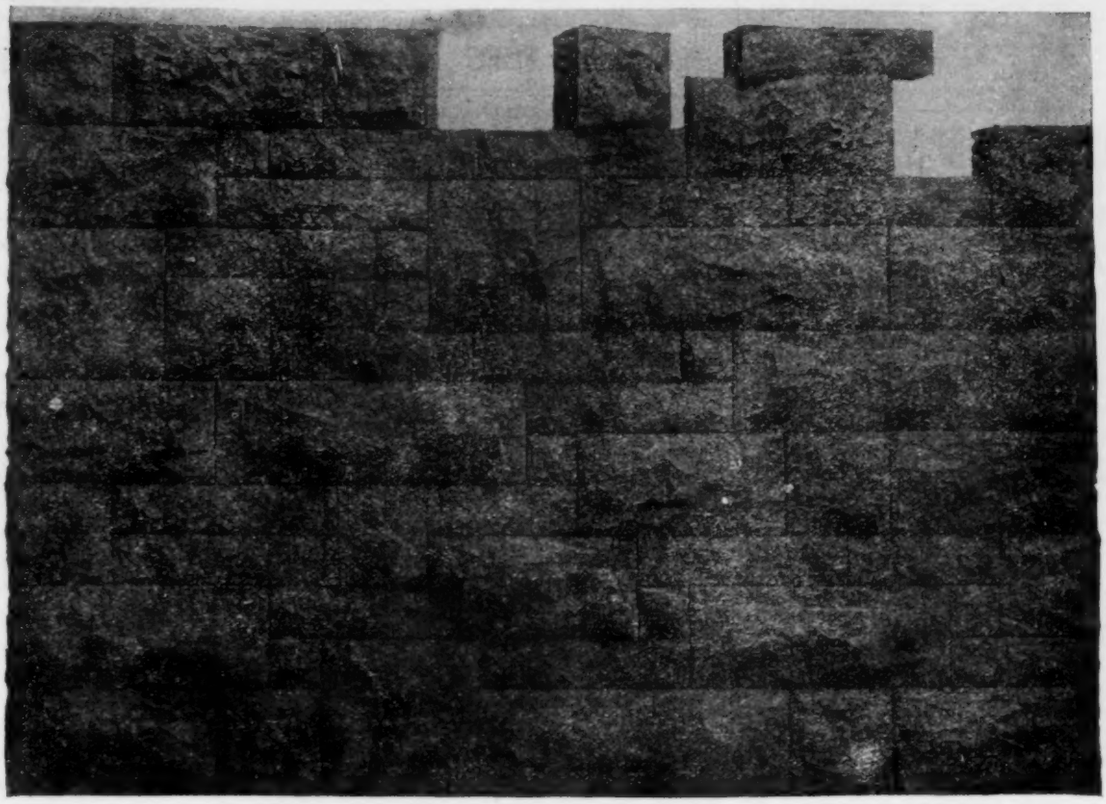

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BUILDING INTELLIGENCE.

frame dwell., flat roof, 23′ x 44′; owner, Ernest Smith; builder, J. W. Boyd.

Warren Ave., near Coolidge Ave., Ward 24, frame dwell., 26′ x 39′; owner and builder, G. F. Pinkham.

Coolidge Ave., near Warren Ave., Ward 24, 4 frame dwells., each 22′ x 52′; owner and builder, G. F. Pinkham.

Metcalf St., near Dudley Ave., Ward 23, frame dwell., 21′ x 27′; owner, J. A. Metcalf; builder, T. Havey.

Millett St., No. 53, Ward 24, three-st'y frame dwell., 23′ x 44′; owner, Mrs. M. Kenney; builder, H. J. McNabb.

Lanark Road, Ward 25, frame dwell., 36.9′ x 44.6′; owner and builder, E. L. Rogers.

Bradlee St., near School St., Ward 24, two frame dwells., gambrel roofs, 32.8′ x 35.4′, and 32.8′ x 37.4′; owners, J. P. B. Carleton and A. T. Lovell; builder, D. G. Squires.

Lyndehurst St., near Washington St., Ward 24, frame dwell., 25′ x 36′; owner and builder, J. H. Beale.

West Park St., near Herbert St., Ward 24, two frame dwells., 37′ x 40′, and 44′ x 49′; owner, W. L. Terhune; builder, J. R. Oliver.

Summer St., Nos. 31 and 33, Ward 24, 2 two-st'y frame dwells., hip roofs, 25′ x 30′; owner, Mary E. Rhodes; builder, M. Silva.

Leroy St., near Ditson St., Ward 24, frame dwell., 25′ x 28.6′; owner, W. L. Libbey; builder, L. J. Gillis.

Ditson St., near Leroy St., Ward 24, frame dwell., 24.2′ x 34′; owner, W. L. Libbey; builder, L. J. Gillis.

Vinson St., near Park St., Ward 24, four frame dwells., 29.3′ x 30′; owner, A. L. Jewell; builders, Gould Brothers.

Wales St., near Harvard St., Ward 24, four-st'y frame dwell., pitch roof, 30′ x 33′; owner, C. S. Fiske, trustee; builder, S. L. Sulis.

Millett St., near Wheatland Ave., Ward 24, frame dwell., 24′ x 32′; owner, W. L. Trail; builders, J. A. Kennedy and J. S. Burns.

L St., No. 141, Ward 14, three-st'y frame dwell., flat roof, 21.6′ x 54′; owner and builder, S. W. Johnson.

Herbert St., near West Park St., Ward 24, frame dwell., 32′ x 37′; owner, W. L. Terhune; builder, J. R. Oliver.

Anawan Ave., near Park St., Ward 23, two-st'y frame dwell., hip roof, 31.2′ x 39.2′; owner, Seldon Crowe; builders, Coan & Hall.

Burnett St., near Washington St., Ward 23, three-st'y frame dwell., flat roof, 24′ x 40′; owner and builder, William Curran.

Westerly Terrace, No. 3, Ward 22, frame dwell., 25.6′ x 27′; owners, Workingmen's Building Association; builder, G. W. Pope.

Grafton St., cor. Buttonwood St., Ward 24, three-st'y frame dwell., hip roof, 24′ x 50′; owner and builder, N. W. Wanger.

Quincy St., cor. Magnolia St., Ward 24, frame dwell., 32′ q 36′; owner and builder, Henry Ford.

Judson St., near West Cottage St., Ward 20, frame dwell., 30′ x 38′; owner and builder, F. H. Eaves.

BUILDING INTELLIGENCE.

Gayland Ave., near Judson St., Ward 20, frame dwell., 23′ x 46′; owner and builder, F. H. Eaves.

Monroe St., No. 72, Ward 21, three-st'y frame dwell., flat roof, 35′ x 50′; owner, Sarah Hanson; builder, W. Ballantine.

East Fourth St., No. 936, Ward 14, three-st'y frame dwell., flat roof, 23′ x 64.7′; owner, G. A. and J. B. Connolly; builder, W. T. Eaton.

Magnolia St., No. 108, Ward 20, three-st'y frame dwell., hip roof, 24′ x 65′; owner, R. B. Fairbairn; builder, W. Tobin.

Princeton St., near Meridian St., Ward 1, three-st'y frame dwell., flat roof, 22′ x 56′; owner, W. B. McMichael; builder, D. D. Fish.

L St., No. 143, Ward 14, three-st'y frame dwell., flat roof, 21.6′ x 54′; owner and builder, S. W. Johnson.

Bower St., rear, No. 62, Ward 1, three-st'y dwell., flat roof, 22′ x 42′; owner, Honora H. Draper; builder, W. Ballantyne.

Meridian St., No. 438, Ward 1, three-st'y frame dwell., flat roof, 23′ x 60.8′; owner, A. W. Bailey; builder, J. C. Hamilton.

Dorchester Ave., Nos. 821-823, Ward 15, 2 three-st'y frame dwells., flat roofs, 24′ x 52′; owner, Chas. May; builders, H. S. & N. Clark.

Aldie St., near opp. Athol St., Ward 25, two frame dwells., 15′ x 57′; owner, J. S. Wingate; builder, S. T. Alien.

Talbot Ave., near Argyle St., Ward 24, two frame dwells., 30′ x 42.6′; owners, Mrs. S. Stein and H. N. Atwood; builder, James Pope.

Monument St., cor. Meridian St., Ward 1, three-st'y frame dwell., flat roof, 18.8′ x 45′; owner, F. Whitehouse.

Austin St., No. 29, Ward 2, three-st'y frame dwell., flat roof, 20′ x 40′; owner, Mrs. M. B. Sylvester; builder, Joel Snow.

Bradlee St., near Algonquin St., Ward 24, frame dwell., 24′ x 50′; owner, Julia E. Briggs; builder, C. C. White.

Kinross Road, cor. Commonwealth Ave., Ward 25, frame dwell., hip roof, 37′ x 48′; owner, Mrs. J. T. Smith; builder, H. P. Oakman.

Batchelder St., near Marshfield St., Ward 20, three-st'y frame dwell., flat roof, 26′ x 46′; owner, James Quigley; builder, P. McAleer.

Crawford St., cor. Warren St., Ward 21, 2 three-st'y frame dwells. and one store, flat roof, 25′ x 56.4′; owners and builders, Wood & Wetherbee.

Oriole St., near Park St., Ward 23, frame dwell., 22′ x 36′; owner, Jacob Weysse; builder, M. A. Blanchard.

Kittredge St., near Washington St., Ward 23, frame dwell., 22′ x 41′; owners, Twenty-one Associates; builders, Dame & Warner.

School St., near Amory St., Ward 23, frame dwell., 25′ x 50′; owner, Richard A. Barrows; builder, J. P. Campbell.

Atherton St., near Amory St., Ward 23, frame dwell., 32′ x 41′; owner, Richard A. Barrows; builder, J. P. Campbell.

Elm St., No. 85, Ward 3, three-st'y frame dwell., flat roof, 24′ x 48.5′; owner, Ellen Jennings; builders, Donovan & Brock.

BUILDING INTELLIGENCE.

Kilsyth Road, near Beacon St., Ward 25, frame dwell., 27.6′ x 46.6′; owner and builder, Edward L. Rogers.

Westminster Ave., No. 8, Ward 21, frame dwell., 20′ x 51′; owner, Mary A. Butler; builders, Decker Bros.

Brooklyn, N. Y. — *Cornelia St.*, n s, 275′ e Bushwick Ave., three-st'y frame dwell., tin roof; cost, $4,000; owners and builders, J. W. Lamb & Son, 1068 Putnam Ave.; architect, A. J. Lamb, 1068 Putnam Ave.

Walton St., No. 129, three-st'y brick dwell., tin roof; cost, $5,000; owner, M. Puhl, 37 East Fourth St., New York City; architect, Richard Vom Lehn, 109 Walnut St.

Cornelia St., n s, 295′ e Bushwick Ave., three-st'y frame dwell., tin roof; cost, $6,000; owners and builders, J. W. Lamb & Son, 1068 Putnam Ave.; architect, A. J. Lamb, 1037 Putnam Ave.

Macon St., n s, 235′ 6″ w Marcy Ave., 6 three-st'y brick dwells., tin roofs; cost, $9,500 each; owner, Robert Gordon, on premises; architect, Robert Dixon, 219 Montague St.

Ralph St., n s, 200′ w Central Ave., 200′ w Central Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,800; owner, Geo. Gutting, 2161 Putnam Ave.; architect, F. J. Lessing, 91 Ralph St.

Hancock St., n s, 100′ w Patchen Ave., 3 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner and builder, Wm. Gibson, 939 Lafayette Ave.; architects, J. D. Reynolds & Son, 363 Fulton St.

St. Mark's Ave., n s, 350′ w New York Ave., two-st'y brick dwell., slate and tin roof; cost, $30,000; owner, Eugene Blackford, Herkimer and Bedford Aves.; architect, Montrose W. Morris, 45-47 Exchange Pl.

Fifth St., s s, 275′ w Fifth Ave., 10 three-st'y brick dwells., tin roofs; cost, $40,000; owner, Helen Smith, 278 Twenty-first St.; architect, W. Smith, 278 Twenty-first St.

Van Voorhis St., s s, 200′ w Central Ave., 6 two-st'y frame dwells., gravel roofs; cost, $3,000; owner, Chas. McLaughlin, 136 Court St.

Stockholm St., n s, 200′ e Hamburg Ave., 2 three-st'y frame dwells., tin roofs; total cost, $9,000; owner and builder, Henry Schlachter, 169 Stockholm St.; architect, Th. Engelhardt, 905 Broadway.

Chicago, Ill. — J. M. Cumming, 4 two-st'y dwells., 1231-1233 and 1236-1238 Lawnsdale Ave.; cost, $10,000.

A. B. Brown, two-st'y dwell., 443 Sixtieth St.; cost, $3,000.

Samuel Brown, Jr., two-st'y dwell., 3226 Beacon St.; cost, $4,000.

C. L. Ruhardt, two cottages, One Hundred and Sixteenth and Canal Sts.; cost, $5,000.

George Pratt, two-st'y dwell., 4116 Drexel Boulevard; cost, $13,000.

Iscar Hensel, two-st'y dwell., 667 Washtenaw Ave.; cost, $5,000.

Peter Crane, two-st'y dwell., 2622 Armour Ave.; cost, $5,000.

Samuel Brown, Jr., 3 two-st'y dwell., Seilzar and Wright Sts.; cost, $4,200.

William H. Weckler, two-st'y dwell., 1516 Wolfram St.; cost, $5,000.

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BUILDING INTELLIGENCE.

J. Cox, two-st'y dwell., One Hundred and Ninth and Ward Sts.; cost, $5,000.

George W. Merchants, 2 two-st'y dwells., 7805-7807 Sherman St.; cost, $6,000.

N. O. Budd, three cottages, Sherman Ave. and Fifty-ninth St.; cost, $6,000.

Bessie B. Huntington, two-st'y dwell., Tracy Ave. and One Hundred and Third St.; cost, $3,000.

E. Wersum, four cottages, 3607-3609 Forty-second St., and 3006-3008 Forty-first St.; cost, $4,000.

Cincinnati, O.—Mrs. L. B. Stevens, two-and-one-half-st'y frame dwell., Dixmyth Ave.; cost, $2,500; architect, M. Pfeiffer.

Dr. W. S. Burkhardt, two-and-one-half-st'y frame dwell., Woodburn Ave.; cost, $5,760; architects, Crapsey & Brown.

Henry Frank, three-and-one-half-st'y brick and stone dwell., Western Ave.; cost, $3,000; architects, G. & A. Brink.

C. Muhlhauser, two-and-one-half-st'y brick and stone dwell., Spring Grove Ave.; cost, $4,000; architects, G. & A. Brink.

A. Birnbryer, three-st'y brick and stone dwell., Logan St.; cost, $5,000; architect, E. G. Reuckert.

J. A. Stewart, two-st'y brick and stone dwell., Ida St.; cost, $4,500; architect, L. P. Hazen.

Fred Wenzel, two-st'y brick and stone dwell., Riddle Road; cost, $2,350; architect, P. Pfeiffer.

Mrs. Rose Bussing, two-and-one-half-st'y brick dwell., Myrtle Ave.; cost, $5,000; architect, A. J. Bast.

Sallie T. Bell, two-st'y brick and stone dwell., Williams Ave.; cost, $2,750; architect, H. C. Henry.

Mrs. C. Frank, two-and-one-half-st'y brick and stone dwell., Highland Ave.; cost, $4,200; architect, W. Meyer.

Mrs. A. E. Waters, 2 two-and-one-half-st'y brick and stone dwells., Hewitt Ave.; cost, $6,000; architect, W. C. Lawrence.

Geo. Miller, two-and-one-half-st'y brick and stone dwell., Graydon Ave.; cost, $2,500; architect, W. C. Lawrence.

Mrs. Bammerlein, two-and-one-half-st'y brick and stone dwell., Kinney Ave.; cost, $2,500; architect, C. Diss.

E. H. Murdock, two-and-one-half-st'y brick and stone dwell., Russell Ave.; cost, $5,000; architect, S. S. Godley.

Riehle Bros., 2 two-and-one-half-st'y brick and stone dwells., Euclid Ave.; cost, $4,000; architects, Rieg & Marty.

Jas. Glascock, two-st'y brick and stone dwell., Delta Ave.; cost, $2,800; architect, Mr. Meyer.

A. E. Burkhardt, two-and-one-half-st'y brick and stone dwell., Erkenbrecker Ave.; cost, $3,000; architects, Des Jardens & Hayward.

John Cook, 2 two-st'y brick and stone dwells., Senator Ave.; cost, $3,000; architect, M. Fisher.

G. W. Martin, 3 two-st'y brick and stone dwells., May St.; cost, $2,700; architect, N. Frazer.

E. G. Krelbiel, two-and-one-half-st'y brick and stone dwells., Nelson St.; cost, $3,500; architects, Boffinger & Hopkins.

Geo. W. Martin, 4 two-st'y brick and stone dwells., Boone St.; cost, $3,000; architect, N. Frazier.

BUILDING INTELLIGENCE.

Minneapolis, Minn.—S. E. Davis, two-st'y frame and stone dwell., 2104 Kenwood Boulevard; cost, $15,000.

J. Hemp, three-st'y brick dwell., 11 East Main St.; cost, $10,000.

Montreal, Can.—*Visitation St.*, cor. Bonaparte St., three-st'y dwell.; cost, $6,000; owner, Jos. Duhamel; architect, Vincent Lacombe, 897 Ste. Catherine St.

Stanley St., cor. Brunswick St., 3 three-st'y dwells.; cost, $15,000; owner, Hugh Taylor; architect, W. McLea Walbank, 214 St. James St.

Beaudry St., cor. Notre Dame St., dwell. and two stores; cost, $12,000; owner, Ernest Bélanger; architects, Perreault & Mesnard, 11 Place d'Armes Hill.

Architect Theo. Deourt, 162 St. James St., has prepared plans for 18 two-st'y cottages for T. Barbeau at Pointe Claire, Que.

Philadelphia, Pa.—*Cora St., No.* 1234, two-st'y brick dwell.; builder, W. D. Kallock, 1238 South Twelfth St.

Tacony St., s s, e Howell St., two-st'y dwell.; owner, A. Weinersberger, 5119 Tacony St.

Fifth St., w s, bet. Somerset and Cambria Sts., three-st'y brick dwell.; builder, John Mitchell, 307 West Lehigh Ave.

Sixth St., e s, n Somerset St., two-st'y brick dwell.; builder, Chas. A. Heinke, 541 West Lehigh Ave.

Sixth St., e s, n Tioga St., 2 two-st'y brick dwells.; builder, S. H. Eckard, 1316 Parrish St.

Front St., w s, s Somerset St., three-st'y brick dwell.; builder, B. Strillmatter, 2446 Orkney St.

Forty-first St., w s, above Girard Ave., 3 three-st'y brick and stone dwells.; builder, A. Overturf, 1612 North Nineteenth St.

St. Louis, Mo.—Two-st'y brick dwell.; cost, $6,000; owner and contractor, E. H. Newberry.

Two-and-one-half-st'y brick dwell.; cost, $7,200; owner, W. H. Barnhardt; contractors, J. H. Gray & Bro.

Two-st'y brick dwell.; cost, $6,000; owner, Wm. Hitzel; contractor, W. C. Popp.

Three-st'y brick dwell.; cost, $4,500; owner, C. Damhorst; contractor, C. Henecke.

Two-st'y brick dwell.; cost, $3,200; owner, T. C. Heidelberger; contractor, A. Vogt.

Three-st'y brick dwell.; cost, $15,000; owner, E. Michalls; contractor, W. H. Clemens.

Three-st'y brick dwell.; cost, $15,000; owner, D. Eisman; contractor, W. H. Clemens.

Three-st'y brick dwell.; cost, $15,000; owner, J. Schwab; contractor, W. A. Clemens.

Two-st'y brick dwell.; cost, $4,000; owner, M. Merriweather; contractor, C. George.

Two-st'y brick dwell.; cost, $2,900; owner, M. Maschilewski; contractor, R. Doreste.

Two-and-one-half-st'y brick dwell.; cost, $5,400; owner, H. Stuckstead; contractor, A. Nega.

Three-st'y brick dwell.; cost, $8,000; owner, H. C. Travilla; sub-let.

Two-st'y brick dwell.; cost, $4,100; owner, Miss C. Krenter; contractors, Rullack & Hawrauck.

Two-st'y brick dwell.; cost, $2,500; owner and contractor, Wm. Hambly.

Two-st'y brick dwell.; cost, $2,500; owner, M. Kennedy; contractor, L. Llayn.

Two-st'y brick dwell.; cost, $11,000; owner, C. S. Collins; contractors, B. Weber & Sons.

Two-st'y brick dwell.; cost, $15,000; owner and contractor, Chas. Thuener.

Three two-st'y brick dwells.; cost, $3,500 each; owners and contractors, Henner Bros. & Co.

Two-st'y brick dwell.; cost, $5,000; owner, A. H. Levy; contractor, J. H. Randall.

Three-st'y brick dwell.; cost, $18,000; owner, Tom Neidringhaus; sub-let.

Two-st'y brick dwell.; cost, $3,500; owner, I. Thomsen; contractor, T. Mertz.

Two-st'y brick dwell.; cost, $2,700; owner, Mrs. S. L. Mosler; contractor, Jack Fischer.

Two-st'y brick dwell.; cost, $4,000; owner, M. E. Cornelius; contractors, Nicholson Bros.

Two-st'y brick dwell.; cost, $7,000; owner, R. R. Lewis; contractor, W. P. Sloss.

Two-st'y brick dwell.; cost, $6,300; owner, F. W. Dustin; contractor, H. Thomson.

Two-st'y brick double dwell.; cost, $3,900; owner, M. A. Forester; contractors, Kluther & Balke.

Three-st'y brick dwell.; owner, Mrs. Johnson; contractor, C. H. Hart.

Two-st'y brick dwell.; cost, $4,000; owner, Mr. Schvenbeck; contractor, E. L. Wagner.

Two-st'y brick dwell.; cost, $5,500; owner, S. J. Owenbeck; contractors, F. H. Gray & Bro.

Worcester, Mass.—*Colton St.*, one-and-one-half-st'y frame dwell.; owner, D. W. Shea; contractor, J. A. Gallagher.

Washburn St., three-st'y frame dwell.; owner, Wm. Garvey; contractor, W. Ford.

Melville St., three-st'y frame dwell.; owners, E. S. Knowles and E. J. Rice; architects, Barker & Nourse; contractor, O. M. Ball.

Washington Ave., one-and-one-half-st'y frame dwell.; owner and contractor, H. B. Pender.

Aetna St., three-st'y frame dwell.; owner, Gaspard Dupiers; day work.

Kendig St., one-and-one-half-st'y frame dwell.; owner, C. W. Davenport; contractor, W. H. Joslyn.

Clapp St., three-st'y frame dwell.; owner and contractor, C. A. Stone.

Park Ave., three-st'y frame dwell.; owner and contractor, J. P. Tucker.

June St., two-st'y frame dwell.; owner, J. Dick, Jr.; contractor, W. B. Richardson.

Park Ave., two-st'y frame dwell.; owner and contractor, W. Ford.

Hope Ave., 2 two-st'y frame dwells.; owner, H. Emalie Taylor; contractor, J. Olson.

Stone St., three-st'y frame dwell.; owner, Joseph S. Perry; contractor, Wm. O. Burns.

Everett St., two-and-one-half-st'y frame dwell.; owner, Victor Sjoblad; contractors, Nilson & Silven.

Mayfield St., two-st'y frame dwell.; owner and contractor, Geo. Pierce.

BUILDING INTELLIGENCE.

Elm St., three-st'y frame dwell.; owner, C. W. Bowker; contractor, J. A. Brigham; architects, Barker & Nourse.

Wheeler St., frame dwell.; owner, H. W. Thayer; contractor, W. E. Putnam.

Alvarado Ave., frame dwell.; owner, W. F. Blanding; contractors, Ward & Blanding.

Rodney St., three-st'y frame dwell.; owner, J. P. Seveneson; contractors, Nilson & Silven.

West St., three-st'y frame dwell.; owner and contractor, Fred Johnson.

Union Ave., three-st'y frame dwell.; owner, W. Bradge; contractor, James Gallagher.

German St., two-st'y frame dwell.; owner, Calvin Gay.

Belmont St., two-st'y frame dwell.; owner, Vitaline Montville; contractor, Anthony Bascot.

Grafton St., three-st'y frame dwell.; owner, Joseph Lalone; contractor, J. A. Courtmanche.

Lincoln St., frame dwell.; owner, E. Buxton; contractor, E. A. Shumway.

Woodland St., two-st'y frame dwell.; owner, J. Edgar Dickson; contractor, S. Batchelder.

Fielding St., frame dwell.; owner, Patrick Walsh; contractors, Beaulieu & Bebeau.

Leicester St., two-st'y frame dwell.; owners, Chadwick & Miles; contractors, Beaulieu & Bebeau.

Millbury St., three-st'y frame dwell.; owner, Thomas Doyle.

Alvarado Ave., two-st'y frame dwell.; owners and contractors, Ward & Blanding.

Hacker St., three-st'y frame dwell.; owner, John Brophy; contractors, Lavigne Bros.

Perry Ave., three-st'y frame dwell.; owner, Thos. Harrihy; contractor, J. O'Rourke.

Kilby St., 2 three-st'y frame dwells.; owner and builder, Roger Mulcahy.

Ward St., three-st'y frame dwell.; owner, E. C. Fitzpatrick; contractor, J. A. Kennedy.

Nelson Pl., two-st'y frame dwell.; owner, M. W. French; contractors, Ward & Blanding.

STABLES.

Chicago, Ill.—Dolese & Shepard, two-st'y barn, 4007-4009 Wallace St.; cost, $3,000.

H. R. Shaffer, two-st'y barn, 29 Church St.; cost, $3,000.

Chicago City Railway Co., three-st'y barn, 3901 Thirty-fifth St.; cost, $75,000.

W. L. Tamblyn, two-st'y barn, 4136 Michigan Ave.; cost, $3,000.

C. Nachter, two-st'y barn, 4427 Drexel Boulevard; cost, $3,000.

Monarch Brewing Co., two-st'y barn, 1149-1153 Hinman St.; cost, $6,000.

F. A. Devlin, two-st'y barn, 4404 Grand Boulevard; cost, $3,000.

Worcester, Mass.—*Canterberry St.*, one-and-one-half-st'y frame stable; owner and contractor, Jos. Santom.

Wayne St., one-and-one-half-st'y frame dwell.; owner, James Sutton; contractor, Jenkins Bros.

Washington Ave., one-and-one-half-st'y frame stable; owner and contractor, H. B. Pender.

Wheeler St., one-and-one half-st'y frame stable; owner and contractor, James Powers.

STORES.

Brooklyn, N. Y.—*Grand St., Nos.* 700-704, s s, 3 four-st'y brick stores and dwells., tin roofs; cost, $30,000; owner, Mrs. Harriet T. Weaver, 218 Jefferson St.; architect, E. Johnson, 322 Rodney St.

Broadway, n e cor. Hart St., 4 one-st'y frame stores, tin roofs; cost, $5,700; owner, Philip Levy, Thornton St. and Broadway; builder, Henry Ettinger, 330 Bleecker St.; architect, H. Vollweiler, 483 Hart St.

Harrison Ave., e s, 50′ n Wallabout St., four-st'y brick store and dwell., tin roof; cost, $12,000; owner, H. L. Kassebaum, Floyd St.; architects, D. Acker & Son, 752 Broadway.

Wyckoff Ave., e s, 60′ s De Kalb Ave., three-st'y frame store and dwell., tin roof; cost, $5,000; owner, Max Moehringer, 60 McKibben St.; architect, H. E. Funk, 11 Varet St.

Grand St., No. 192, four-st'y brick store and dwell., tin roof; cost, $9,000; owners, Minton & Smith, 178 Grand St.; architect, E. Johnson, 322 Rodney St.

Chicago, Ill.—Panorama Building, two stores, 128-130 Michigan Ave.; cost, $3,000.

Cincinnati, O.—L. B. Harrison, seven-st'y brick and stone stores, Elm St.; cost, $30,000; architects, Samuel Hannaford & Sons.

T. J. Jones, seven-st'y brick and stone store, Fourth St.; cost, $30,000; architects, Samuel Hannaford & Sons.

L. Seasongood, seven-st'y brick and stone store, Fourth St.; cost, $30,000; architects, Samuel Hannaford & Sons.

C. Kelley, two-and-one-half-st'y brick and stone store and dwell., St. Clair and Jefferson Sts.; cost, $5,000; architect, J. J. Reuckert.

Minneapolis, Minn.—P. Potvin, two-st'y brick store and flats, 924-26-28 Plymouth Ave.; cost, $12,500.

WAREHOUSES.

Chicago, Ill.—George M. Cook, three-st'y warehouse, Evans Ave. and Sixty-ninth St.; cost, $4,000.

MISCELLANEOUS.

Baltimore, Md.—The Border State Savings Bank will build four-st'y brick building, n w cor. Park Ave. and Fayette St.

Chicago, Ill.—L. Wilkin, three-st'y shop, 317 West Fourteenth St.; cost, $3,000.

Montreal, Can.—Architects Taylor & Gordon, 43 St. Francois-Xavier St., have prepared plans for the McGill College Library on Sherbrooke St.

New York, N. Y.—*Sixty-seventh St.*, n s, 188′ e First Ave., two-st'y brick workshop, tin roof; cost, $5,000; owner, Richard T. Auchmuty, 61 University Pl.; architect, H. J. Hardenbergh, 10 West Twenty-third St.

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This material will be got out and fitted ready to be put together; each staircase or section of gallery or other feature to be separately grouped, marked and delivered at such times and in such numbers as required within the grounds of the State Prison, Charlestown, at the immediate site of the new north wing.

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Treasury Department, Office Supervising Architect, Washington, D. C., May 19, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for putting in place complete the new low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house and Post-office building at Portland, Me., in accordance with the drawings and specifications, copies of which may be had at this office or the office of the Custodian at Portland, Me. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the New Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Court-house and Post-office building at Portland, Me.," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Treasury Department, Office Supervising Architect, Washington, D. C., May 20, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of June, 1892, and opened immediately thereafter, for all the labor and materials, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus, high-pressure steam supply to bath boilers, etc., including water-supply mains and concrete tunnels for all supply mains, salt-water supply service to fire-plugs, etc., for hospital buildings B, C and D, and addition E, and kitchen and dining-room building of the Immigration Station at Ellis Island, New York Harbor, N. Y., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Ellis Island, New York. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Immigration Station at Ellis Island, New York Harbor, N. Y.," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Treasury Department, Office of Supervising Architect, Washington, D. C., May 21, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 14th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for furnishing and fixing in place complete the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house and Post-office building at Chattanooga, Tenn., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Chattanooga, Tenn. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids or to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus fore United States Court-house and Post-office building at Chattanooga, Tenn.," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Treasury Department, Office of Supervising Architect, Washington, D. C., May 20, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 17th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating apparatus) of the United States Post-office building at Atchison, Kansas, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Atchison, Kansas. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposals for the Erection and Completion (except Heating Apparatus) of the United States Post-office building at Atchison, Kansas," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Proposals for Glass, Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., May 19, 1892. Sealed proposals for furnishing and delivering the polished plate and double thick window-glass required for the book stack windows of the Building for the Library of Congress in this city, will be received at this office until two o'clock P. M. on Thursday, the 9th day of June, 1892, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 858

Treasury Department, Office Supervising Architect, Washington, D. C., May 17, 1892. Sealed proposals will be received at this office until two o'clock P. M. on the 10th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the alterations and improvements, also for repairs and additions to the steam-heating and ventilating apparatus, and also for the electric wiring and electric call-bell and annunciator service for the United States Post-office, Court-house, etc., building at Syracuse, N. Y., in accordance with drawings and specifications for each branch, copies of which may be had on application at this office or the office of the Superintendent at Syracuse, N. Y. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Alterations and Improvements, Repairs and Additions to Steam-heating and Ventilating Apparatus, or Electric Wiring, Call-Bell and Annunciator Service for the United States Post-office, Court-house, etc., at Syracuse, N. Y.," and addressed to W. J. EDBROOKE, Supervising Architect. 857

Treasury Department, Office Supervising Architect, Washington, D. C., May 17, 1892. Sealed proposals will be received at this office until two o'clock, P. M. on the 15th day of June, 1892, and opened immediately thereafter for all the labor and material required for the trench excavation, foundations, cut-stone work and brick work, wood floor and roof construction, roof covering, approaches, etc., of the United States Court-house and Post-office building at Sioux Falls, South Dakota, in accordance with the drawings and specification, copies of which may be had at this office or the office of the Superintendent at Sioux Falls, South Dakota. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Trench Excavation, Foundations, Stone and Brick Masonry, Iron and Wood Floor and Roof Construction, Roof Covering, etc., for the United States Court-house and Post-office building at Sioux Falls, South Dakota," and addressed to W. J. EDBROOKE, Supervising Architect. 857

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Of all Building Materials.

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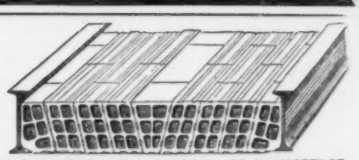
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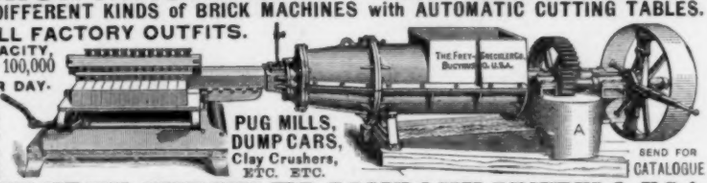

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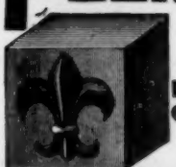

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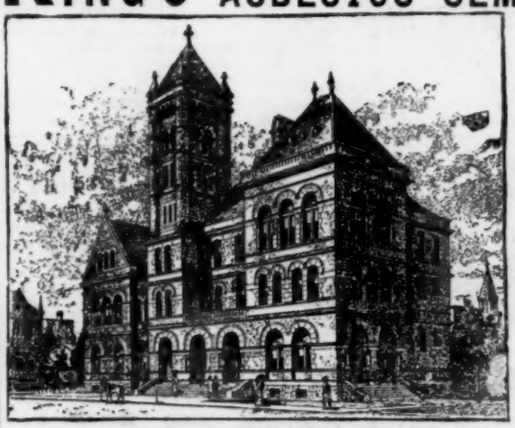

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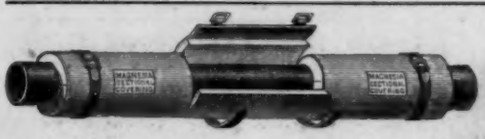

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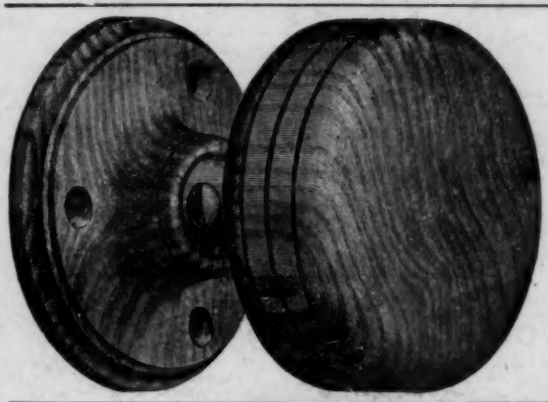

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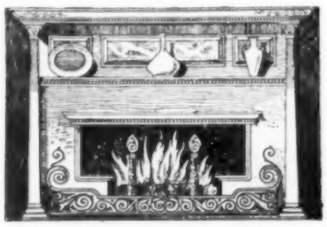

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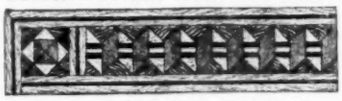

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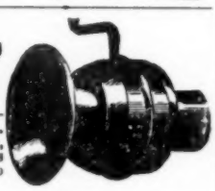

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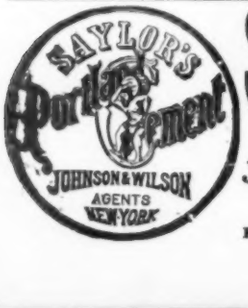

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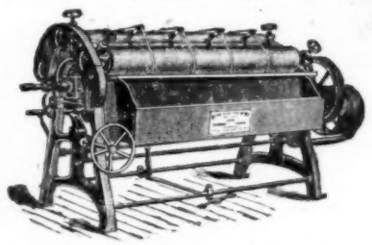

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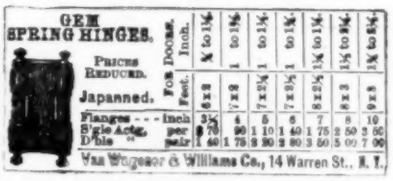

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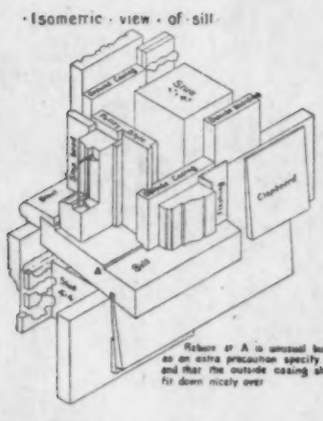

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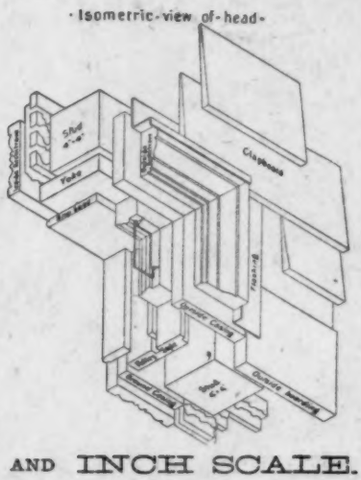

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Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
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Laths:				
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Spruce	2 50 @ 2 60	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30″ $35 @ 40 24″ 8 @ 21
Cedar split ₱ M.	@	@	*Not sold.*	{20″ 35 @ 14
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split, 7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
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Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
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Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
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Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
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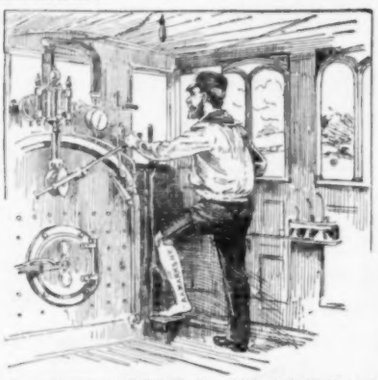

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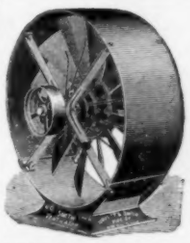
Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.)*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	}
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	}
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.)*				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square)*	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	} 50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	325 @ 4 00
" black, Lehigh	@	@	7 30 @ 8 00	00 @ 4 65
" " Chapmans	@	@	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@		
PAINTS. (*In Oil* ℔ *lb.)*				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ *gal.)*	55 @ 62	42 @ 43	57 @ 60	@ 60
" " boiled "	58 @ 65	45 @ 46	60 @ 63	@ 63
Turpentine "	36 @ 37	@ 35	51 @ 51	@ 44
Varnish, coach "	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac "	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty (℔ *dry.)*	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20		2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 40	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" (℔ *doz. pairs.)*				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish (℔ *pair.)*	@ 65	@ 50	*Not Sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards.)	@ 10	@ 10	@ 12	@ 1 00
Ebony	@	@	@	@ 35
Apple wood	@	@	@	37 @ 1 00
Knobs: (℔ *set.)*				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not Sold.*
Hemacite	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, silvered	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:	@	@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 7½	@ 7	@ 6½
Lead Pipe	@	@ 6½	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10



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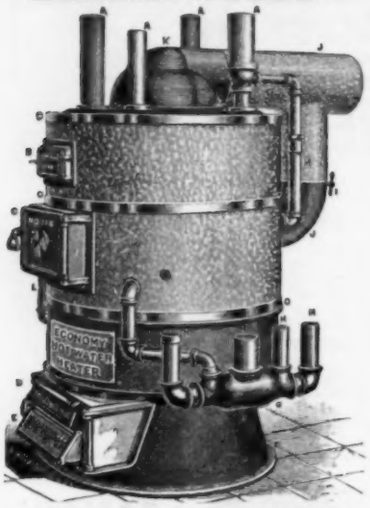

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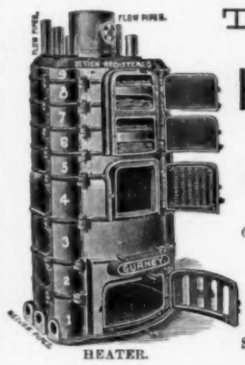

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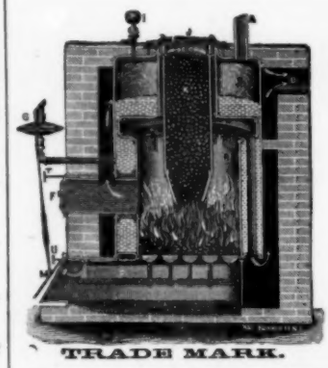

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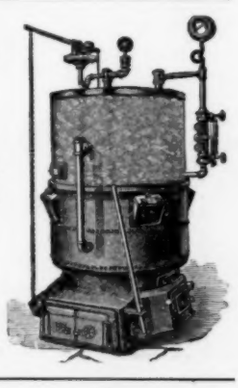

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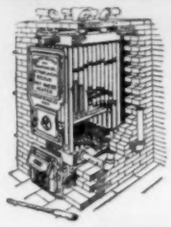

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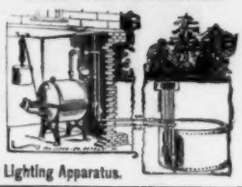

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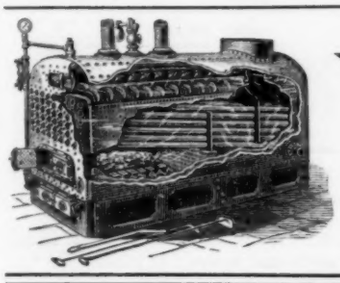

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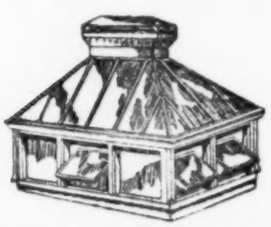

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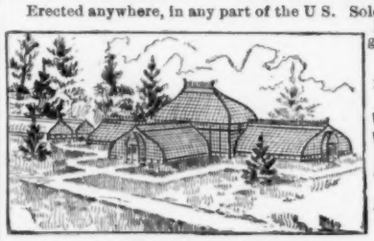

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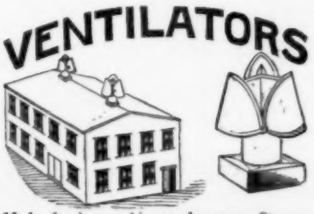

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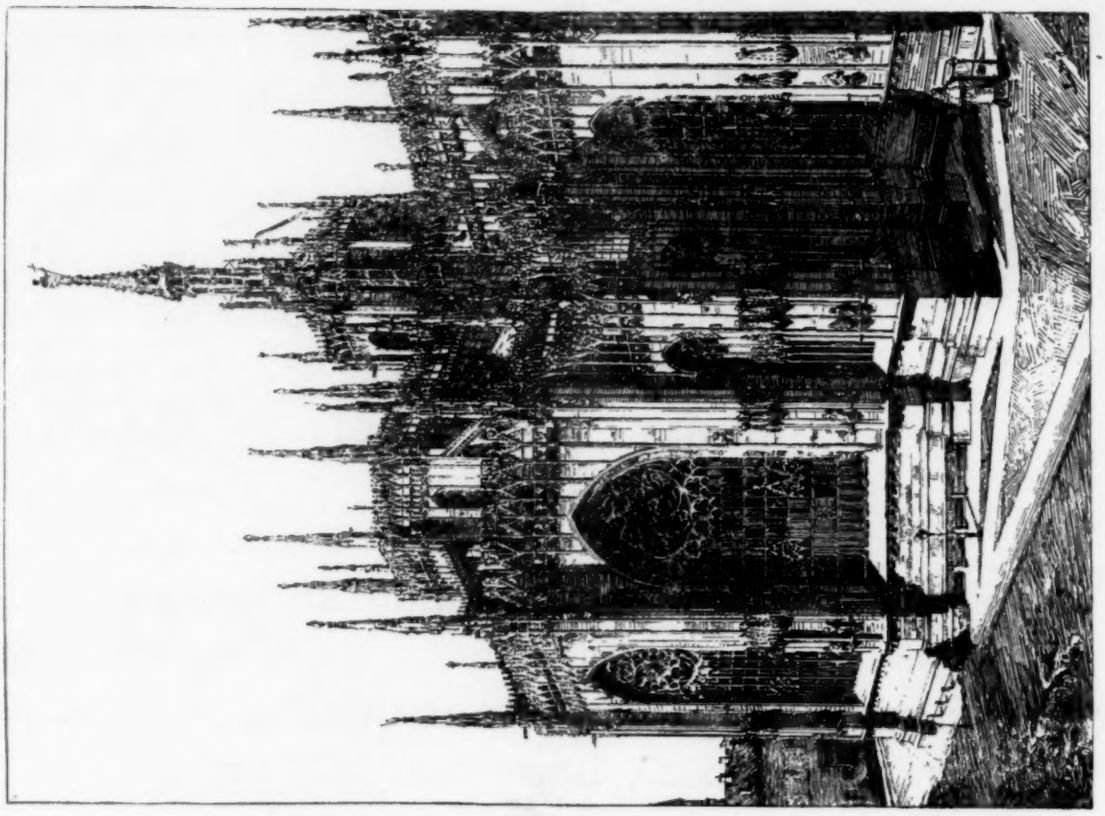

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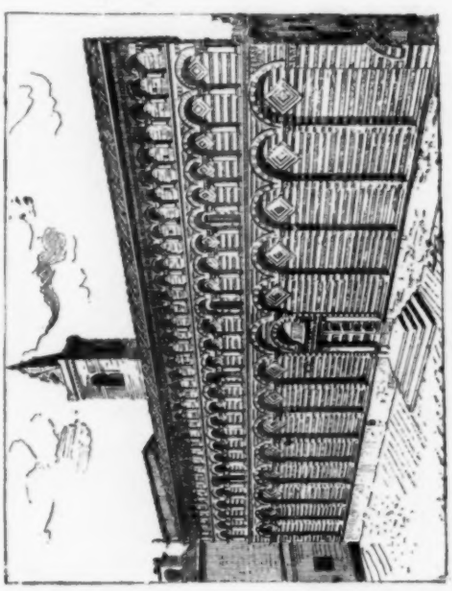

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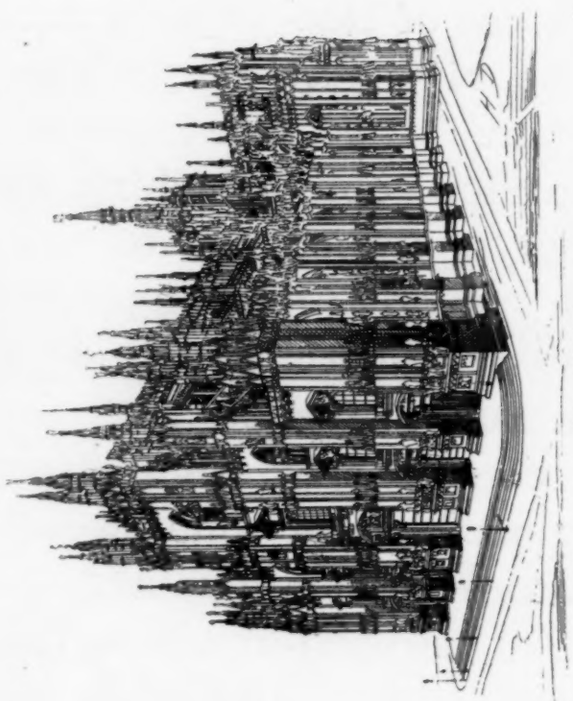

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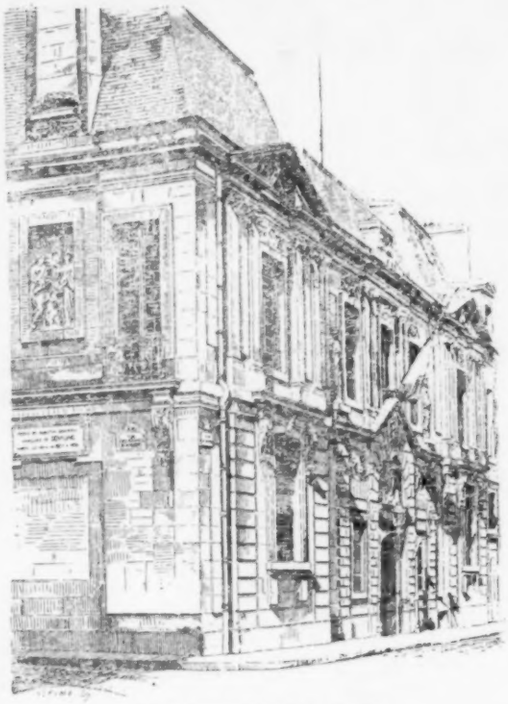

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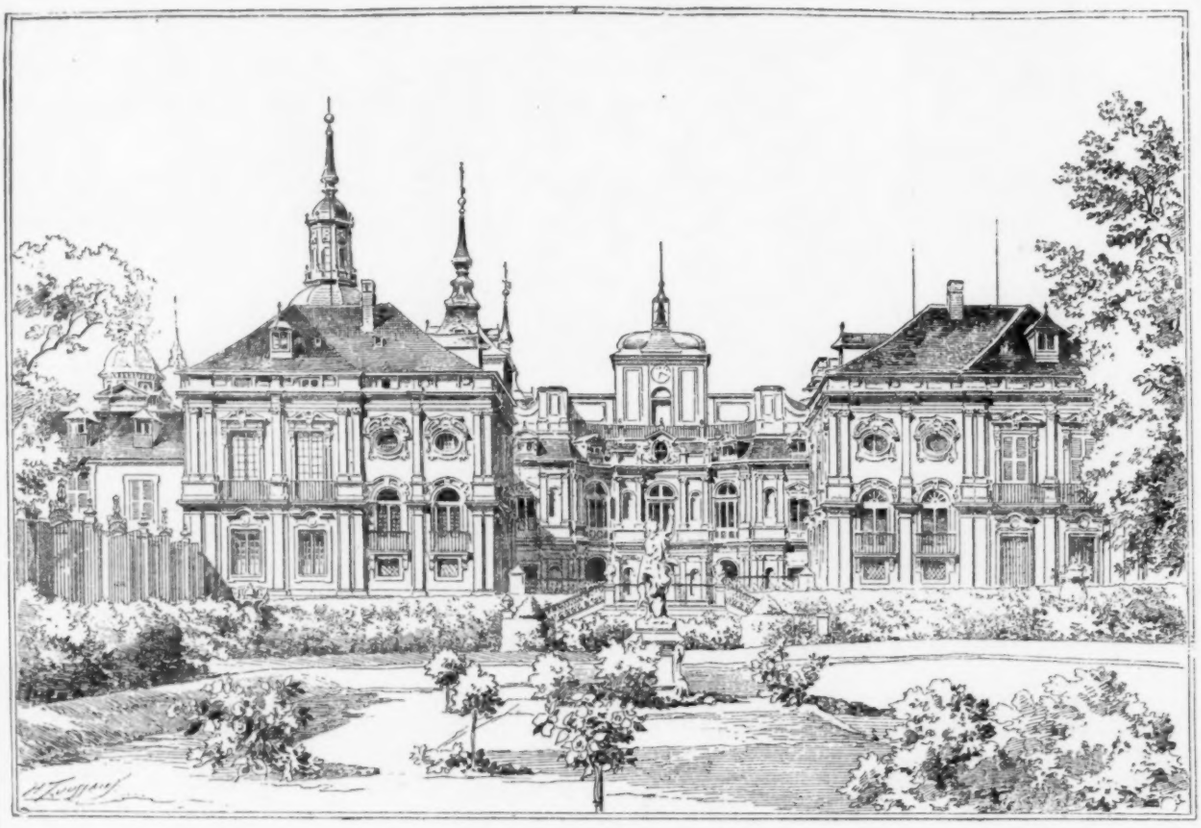

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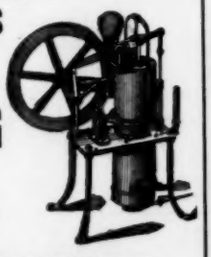

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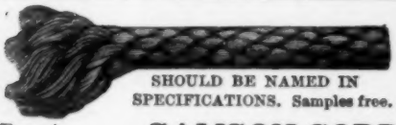

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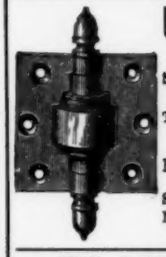

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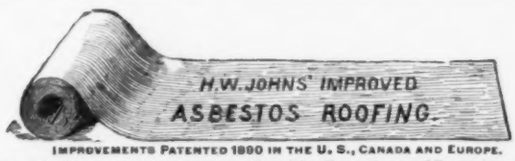

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New Advertisements.

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PERSPECTIVE DRAWING.

The *American Architect* Drawing-Office will undertake the preparation of perspective drawings in line or color from scale drawings, or will render drawings already in outline. Address the editors.

WANTED.

CATALOGUES. — Wanted, catalogues from all manufacturers of recent appliances for flats and hotels, viz, bells, pulls, tubes, small ranges, special plumbing, elevators and all flat specialties; also cheap fireproofing. Address E. A. Kent, Architect, Buffalo, N. Y. 858

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POSITION.—First-class architectural draughtsman wishes employment in New York office. Address "H.," 153 West Seventieth St., New York. 858

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BUILDING PATENTS.

[*Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.*]

472,851. Sash-Holder. — Joseph M. Brohard, Clarksburg, W. Va.
472,867. Adjustable Staging or Scaffolding. Antoine Farland, Southbridge, Mass.
472,880. Door-Check.—Jeremiah J. Holwell, New York, N. Y.
472,886. Sash-Fastener. — Axel Johnson, Oakland, Cal.
472,887. Sash-Balance.—Axel Johnson, Oakland, Cal.
472,902. Folding Framing-Square. — Thomas S. Morse, Lenox, Mass.
472,909. Electric Elevator. — Charles R. Pratt, New York, N. Y.
472,926. Continuous Brick-Kiln. — William Johnson, Leeds, England.
472,930. Controller for Elevators. — Edwin S. Matthews, Cincinnati, O.
472,940. Heating Apparatus. — Robert Calder, Rochester, N. Y.
473,625. Door.—William T. Gregg, Lakeport, Cal.
473,648. Shutter-Fastener. — George C. Weeks, Boston, Mass.
473,668. Door-Fastener. — Samuel N. Lawing, Chattanooga, Tenn.
473,670. Fastener for the Meeting-Rails of Sashes.—Charles F. Russell, New Haven, Conn.
473,688. Hinge.—Henry W. Baker and William J. Stump, Keyser, W. Va.
473,699. Automatic Heat-Regulating Apparatus.—Chas. F. Goodhue, Boston, Mass.
473,705. Process of Treating Wood to Prevent Decay.—Marcus A. Luckenbach, Denver, Col.
473,711. Sash-Holder. — James E. Rose, Weedsport, N. Y.
473,714. Water-Closet Cover. — Max Schubert, Cottbus, Ger.
473,715. Flushing Device for Urinals and Closets.—John Shanks, Barrhead, Scotland.
473,757. Sash-Fastener. — John Kane, Philadelphia, Pa.
473,785. Door-Check.—Lawrence Samuel, London, England.
473,806. Urinal. — Charles G. Zellman, Albany, N. Y.
473,811. Hydraulic Elevator.—Joseph E. Barry New York, N. Y.
473,828. Device for Cementing Wells and Cisterns.—William H. H. Davis, Oakfield, Mich.
473,853. Chimney-Top. — Murray M. Raymond, Corry, Pa.
473,860. Art of Making Mortar. — Edward T. Warner and John F. Curry, Wilmington, Del.
473,879. Door-Bell Handle.— Albert Iske, Lancaster, Pa.
473,882. Flushing-Tank. — George W. Keyser, Indianapolis, Ind.
473,888. Shutter-Fastener. — Harry J. Saxton, St. Louis, Mo.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING MAY 27, 1892.

From Antwerp. — Steamer "*De Ruyter*," 3,300 barrels cement, order. Steamer "*Pennland*," 1,000 barrels cement, Bank of British North America; 3,895 do., order. Steamer "*Waesland*," 750 barrels cement, E. Thiele; 1,500 do., Morris Ebert; 3 cases marble, Merchants' Despatch Co.; 50 iron girders, R. F. Downing & Co.; 1,000 casks cement, 5,805 barrels do., 400 girders, order.

From Bremen. — Steamer "*Hermann*," 2,520 casks cement, order.

From Cardenas. — Steamer "*Saratoga*," 200 bags asphaltum, Balsells & Co.

IMPORTS OF BUILDING MATERIALS, Etc.

From Catania.—Steamer "*Pocahontas*," 3,889 blocks asphalt, Henry A. B. Aveline & Co.

From Glasgow. — Steamer "*State of Nebraska*," 27 blocks stone, G. P. Sherwood; 28 do., H. P. Binswanger; 322 cases granite, Austin, Baldwin & Co.; 20 barrels enamelled bricks, C. R. Weeks & Bro.; 100 barrels cement, order.

From Hamburg. — Steamer "*Taormina*," 500 barrels cement, order. Steamer "*Rhætia*," 1,120 casks cement, E. Thiele. Steamer "*Moravia*," 100 casks cement, James E. Ward & Co.; 50 barrels do., E. Sohns; 1,560 casks do., order.

From Hull. — Ship "*Mistley Hall*," 710 tons cliff stone, order.

From Laguna. — Schooner "*Montana*," 660 logs cedar, Wm. Wicke & Co. Schooner "*Manuel R. Cuza*," 210 logs mahogany and cedar, 35 log ends do., Thebaud Bros.

From Leghorn. — Steamer "*Elysia*," 9 blocks marble, Pells & Co.; 12 cases do., Baldwin Bros. & Co.; 10 do., Melville, Fickens & Co.; 19 blocks do., G. Amsinck & Co.; 13 blocks do., Batterson, See & Eisele; 44 do., 451 slabs do., 7 cases do., order.

From Liverpool. — Steamer "*Aurania*," 6,500 roofing-tiles, S. A. Remington; 247 packages bricks, Howard Fleming. Steamer "*Principia*," 110 casks bricks, Meeker & Carter. Steamer "*City of Chicago*," 95 casks bricks, Meeker & Carter.

From London. — Steamer "*Mississippi*," 1,000 casks cement, E. Thiele; 500 do., Hammill & Gillespie; 2,500 do., order. Steamer "*Glenogle*," 500 casks cement, Bank of British North America; 500 do., Hammill & Gillespie; 2,150 do., Brown Bros. & Co.

From Marseilles.—Bark "*Britannia*," a lot of rock plaster, order.

From Nuevitas. — Schooner "*John I. Snow*," 215 logs cedar, H. W. Peabody & Co.

From Santiago de Cuba. — Steamer "*Cienfuegos*," 12 logs mahogany, Willard Hawes & Co.; 24 do., Bonneau, Wightman & Co.

From Swansea. — Steamer "*Glenogle*," 20,000 firebricks, Hammill & Gillespie.

From Tlacotalpan. — Schooner "*Annie E. Rickerson*," 329 logs cedar and mahogany, Seaboard Lumber Co. Schooner "*Margaret A. Gregory*," 315 logs cedar and mahogany, H. Marquardt.

From Trinidad. — Steamer "*Alps*," 1,000 tons asphaltum, order. Steamer "*Spheroid*," 2,210 tons asphalt, Barbour Asphalt Paving Co.

From Vera Cruz. — Steamer *City of Alexandria*," 122 bags asphaltum, Thebaud Bros.; 62 do., J. W. Wilson & Co.; 99 blocks marble, E. Zarang & Co.

From Windsor, N. S. — Schooner "*Calabria*," 816 tons plaster, J. F. Whitney & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Bethlehem, Pa. — Alterations and addition of large wing to the Washington House.

Boston, Mass. — *Fairfield St., No.* 32, alteration to

(*Continued on page* xvii.)

FACTS ABOUT

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A celebrated sculptor once told a would-be Critic that perfection was made up of trifles, and that perfection was no trifle, and this trite saying applies with peculiar force to Architecture.

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dwell. for C. I. Thayer; contract to be let; architect, W. Whitney Lewis, Boston.

Brooklyn, N. Y.—*Nevins St.*, s w cor. Livingston St., three-st'y brick building, tin roof, two-st'y extension, tin roof, and internal and other alterations; cost, $3,000; owner, H. Treuin, Amityville, L. I.; architect, B. Finkensieper, 93 Broadway.

Broadway, n e cor. Dodworth St., 2 three-st'y frame stores and dwells., tin roofs, to be raised, one-st'y frame extension, tin roof, added and internal alterations made; cost, $7,000; owner, Frederick Yung, Roebling St.; architect, Wm. H. Gaylor, 110 South Eighth St.

Throop Ave., n w cor. Lafayette Ave., three-st'y brick pattern factory, gravel roof, to be raised one story; cost, $5,800; owners, The Butterick Publishing Co., on premises.

Duffield St., w s, 250' n Fulton St., six-st'y brick store, tin roof, six-st'y brick extension, tin roof, and other alterations; cost, $75,000; owner, Henry Offermann, 361 Washington Ave.; architect, P. J. Lauritzen, 18 East Twenty-third St., New York City.

Washington Ave., No. 280, four-st'y brick and stone dwell., tin roof, one-st'y brick extension, glass and iron roof, and other alterations; cost, $5,000; owner, Mrs. Fanny Erbsöih, on premises; architects, D'Oench & Simon, 17 William St., New York City.

Flushing Ave., No. 760, three-st'y brick dwell., tin roof, three-st'y brick extension, tin roof, and other alterations; cost, about $3,000; owner, Mrs. E. Heinrich, 760 Flushing Ave.; architect, Paul Hehl, 240 Nassau Ave.

Clermont Ave., No. 187, one-st'y brick hall, known as Palace Rink, tar roof, internal and other alterations; cost, $30,000; owner, Norman L. Munro, Plaza Hotel, New York City; architect, F. F. Camp, 114 Nassau St.

President St., Nos. 936-938, 2 three-st'y brick dwells., slate and tin roofs, three-st'y brick extensions, tin roofs, internal and other alterations; cost, $14,000; owners, Metropolitan Insurance Co., Park Pl. and Church St., New York City; architects, Le Brun & Sons, 50 Broadway, New York City.

Camden, N. J.—*Central Ave., No.* 668, frame addition to paint-shop; owner, John Barrett, 668 Central Ave.

BUILDING INTELLIGENCE.

Mt. Ephraim Ave., No. 1115, two-st'y frame addition to dwell.; owner, James Briscoe, 115 Mt. Ephraim Ave.

Chicago, Ill.—Potter Palmer, four-st'y addition, 50 Cedar St.; cost, $8,000.

Warren Springer, one-st'y addition, 174-190 Clinton St.; cost, $10,000.

The Chicago Athenæum, repairs, etc., Van Buren St.; cost, $15,000.

B. N'ggermeyer, two-st'y addition, 3856-3858 State St.; cost, $5,000.

W. L. Begler, one-st'y addition, 143-145 Thirty-fifth St.; cost, $3,000.

Childwold, N. Y.—Addition to the Childwold Park House; architect, O. D. Mann, Boston, Mass.

New York, N. Y.—*Charles St.*, near West St., five-st'y brick addition; owners, Messrs. Beadleston & Woerz; architect, Otto C. Wolfe.

Central Park, West, s w cor. Eighty-second St., ten-st'y fireproof addition to Hotel Beresford; cost, $350,000; owner, Alva S. Walker; architect, T. E. Thomson.

Philadelphia, Pa.—*Chestnut St.*, n e cor. Broad St., three-st'y stone addition to Girard Building; architect, Addison Hutton, 400 Chestnut St.

Constable Bros., 22 East Sixteenth St., New York, have plans on the boards for new stone and brick front on Locust St.

APARTMENT-HOUSES.

Chicago, Ill.—Agnew & Knapp, four-st'y flats, 5155 Cornell Ave.; cost, $23,000.

C. J. Carlsen & Co., 2 two-st'y flats, 5737-5741 Emerald Ave.; cost, $4,000.

C. J. Carlsen & Co., 2 two-st'y flats, 5743-5745 Emerald Ave.; cost, $6,000.

Henry Eckenbach, four-st'y flats, 259-261 Webster Ave.; cost, $24,000.

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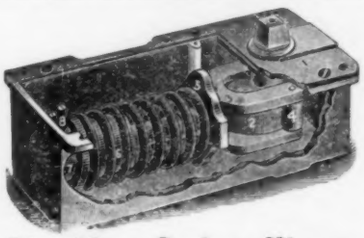

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John J. McKinney, three-st'y flats, 857 State St.; cost, $8,000.

Mrs. J. White, two-st'y flats, 4810 Wabash Ave.; cost, $5,000.

John Prestein, three-st'y flats, 1642 Briar Pl.; cost, $6,000.

August Miller, 3 three-st'y flats, 354-356 Ogden Ave.; cost, $18,000.

Potter Palmer, 4 four-st'y flats, 52-54 Cedar and 306-308 Schiller Sts.; cost, $32,000.

David Smith, two-st'y flats, Arthur St., near Huston St.; cost, $3,000.

Hans M. Greenwald, three-st'y flats, 778 North Rockwell St.; cost, $7,000.

Joseph Roetter, two-st'y flats, 974 Girard St.; cost, $3,000.

Ole Ertering, three-st'y flats, 981 California Ave.; cost, $4,000.

Michael Miller, three-st'y flats, 818 West North Ave.; cost, $3,500.

Charles Lichtenthal, five-st'y flats, 129 Larrabee St.; cost, $7,000.

Elizabeth Rapp, three-st'y flats, 3439 State St.; cost, $7,000.

Thomas Barry, two-st'y flats, 1106 Bonney Ave.; cost, $3,500.

R. R. Randolph, 2 three-st'y flats, 248-250 Henry St.; cost, $10,000.

M. Williams, 8 four-st'y flats, 2030-2036 Wabash Ave.; cost, $75,000.

J. L. Talbot, 2 two-st'y flats, 433-435 Englewood St.; cost, $10,000.

Ellen E. Watson, 2 two-st'y flats, 236-238 Swan St.; cost, $4,000.

M. S. Silverman, two-st'y flats, Forty-ninth St. and Wentworth Ave.; cost, $3,000.

P. De Friesl, four-st'y flats, 200 West Taylor St.; cost, $4 000.

J. K. White, three-st'y flats, 804 Washington Boulevard; cost, $6,000.

Herman Kuehl, three-st'y flats, 777 North Halsted St.; cost, $5,000.

John Tismer, three-st'y flats, 594 Dudley St.; cost, $5,500.

James J. Schuck, 3 three-st'y flats, n e cor. California Ave. and Jackson St.; cost, $19,000.

Albert Nordwardie, three-st'y flats, 639 West Eighteenth St.; cost, $5,500.

M. S. Beam, three-st'y flats, 1354 Van Buren St.; cost, $4,000.

R. O'Connell, two-st'y flats, 1279 West Adams St.; cost, $5,000.

Mrs. N. Nickerson, 3 four-st'y apartment-houses, 3982-3964 Langley Ave.; cost, $45,000.

Louis E. Steinfeld, 12 four-st'y flats, 228-227 Fifty-fifth St.; cost, $200,000.

J. J. Heeginger, 2 three-st'y flats, 9646-9648 Avenue J; cost, $4,200.

Fred W. Friedberg, four-st'y flats, 4026 Cottage Grove Ave.; cost, $12,000.

J. L. Talbot, 2 two-st'y flats, 433-435 Englewood Ave.; cost, $10,000.

Mrs. M. D. Hisgen, 2 three-st'y flats, 6018-6020 Wentworth Ave.; cost, $12,000.

Thomas Stanek, two-st'y flats, 2948 Union Ave.; cost, $4,000.

G. Fenoglio, three-st'y flats, 1391 Van Buren St.; cost, $4,500.

BUILDING INTELLIGENCE.

Joe Kotopio, three-st'y flats, 716 Van Horn St.; cost, $4,500.

C. Bryne, three-st'y flats, 369 West Taylor St.; cost, $6,000.

A. Schultz, three-st'y flats, 992 James Ave.; cost, $3,500.

G. Nelson, three-st'y flats, 4821 Champlain Ave.; cost, $6,000.

Edgar M. Andrews, 4 four-st'y flats, 336-342 Fifty-fifth St.; cost, $25,000.

John Clark, three-st'y flats, 4246 Wabash Ave.; cost, $65,000.

F. Ackerman, two-st'y flats, 352 Ninety-seventh St.; cost, $3,300.

E. Steer, three-st'y flats, 1820 North Ashland Ave.; cost, $5,000.

William Frink, 8 two-st'y flats, Heine Ave.; cost, $12,000.

M. Dorzinski, two-st'y flats, 583 Francisco Ave. cost, $3,100.

John G. Earle, 3 three-st'y flats, 4604-4608 Wentworth Ave.; cost, $16,000.

J. J. Kreer, 2 four-st'y flats, 152-154 Oak St.; cost, $12,000.

William Frink, two-st'y flats, 5315 Morgan St.; cost, $3,000.

Frank Levandski, two-st'y flats, 2815 Stewart St.; cost, $3,000.

Andrew Welsch, three-st'y flats, 3122 Union Ave.; cost, $4,500.

John H. Birren, 2 three-st'y flats, 247-249 Webster Ave.; cost, $7,000.

Peter Falkhein, three-st'y flats, 3000 Fifth Ave.; cost, $5,000.

Minneapolis, Minn.—Carl Peterson, 2 three-st'y brick veneer apartment-houses, 710-716 Lyndale Ave., n; cost, $40,000.

New York, N. Y. — *East Eighty-fourth St., No.* 439, brick and stone apartment-house; owners, Frederick W. Sauer and Conrad R. Gross; architect, C. Stegmayer.

East Tenth St., No. 9, five-st'y brick and stone flat; owner, Christian F. Festzen; architect, William H. Russell.

CHURCHES.

Brooklyn, N. Y. — *Dean St.*, n s, 230′ e Sixth Ave., one-st'y brick church, slate and tin roof; cost, $18,000; owner, First Swedish Baptist Church, Thirteenth St. and Driggs Ave; architect, North J. W. Bailey, 44 Court St.

Lake City, Fla.—The Baptists will build an edifice, to cost about $10,000.

Marietta, Ga.—Brown & Morgan, of Atlanta, have prepared plans for an edifice for the Baptists, to cost about $12,000.

Parkland, Ky.—Brick and stone edifice will be built by the Presbyterians, to cost about $12,000.

Philadelphia, Pa. — *Susquehanna Ave.*, cor. Nineteenth St., stone church; owner, Mt. Carmel Presbyterian Church; contractor, Chas. Auchter, 1528 North Twenty-seventh St.

FACTORIES.

Boston, Mass. — *Kemble St.*, near Girard St., Ward 20, two-st'y brick factory, 53′ x 132′; owners, Pearson Cordage Co.; builder, Herman Drake.

Camden, N. J. — *Jackson St.*, w West Jersey R. R., two-st'y brick factory for the manufacture of chemicals; owners, Renner, Knight & Hofbauer, on premises.

Elm St. Wharf, one-st'y brick manilla-factory; owners, Fay Manufacturing Co., 516 Point St.

Chicago, Ill. — E. C. Rice, four-st'y factory and warehouse, 88-102 East Twenty-second St.; cost, $20,000.

Cincinnati, O. — C. C. Breyer, five-st'y brick and stone factory, Third and Plum Sts.; cost, $18,500; architect, C. Drack.

New York, N. Y. — *One Hundred and Twenty-fourth St.*, n s, 80′ e Park Ave., five-st'y brick factory, tin roof; cost, $16,000; owner, J. M. Horton Ice Cream Co., Twenty-third St. and Fourth Ave.; architects, Cleverdon & Putzell, 13 Astor Pl.

Philadelphia, Pa. — A three-st'y oil-factory will be built at Gibson's Point by the Bosshardt & Wilson Co.

Jackson St., e Swanson St., one-st'y factory, stable and engine-house; contractors, Doyle & Doak, 1511 Moravian St.

West College Ave., No. 135, three-st'y factory; builder, A. R. Raff, 1327 Buttonwood St.

Thirtieth St., w s, s Locust St., one-st'y factory; contractors, George F. Payne & Co., 401 South Juniper St.

Tioga St., s s, e Brabant St., two-st'y factory; owner, Alex. Balfour, 20 South Sixth St.

St. Louis, Mo. — Four-st'y frame factory; cost, $22,500; owners, Kelly & Goodfellow; contractor, T. J. Prosser.

HOUSES.

Boston, Mass. — *Tileston St.*, near Tileston Ave., Ward 24, frame dwell., hip roof, 37.2′ x 45.11′; owner, S. W. Fottler; builders, Spooner & Smith.

School St., near Washington St., Ward 24, two frame dwells., 27′ x 60′; owner, Mary E. Mesick.

Andrews Road, near Holland Road, Ward 25, two frame dwells., 25.6′ x 37′ and 27′ x 39.2′; owner, H. D. Van Norden; builder, J. T. Etter.

Haskell Road, near Coolidge Road, Ward 25, frame dwell., 27′ x 35′; owner, H. D. Van Norden; builder, J. T. Etter.

Haskell Road, near Holland Road, Ward 25, frame dwell., 27′ x 42′; owner, H. D. Van Norden; builder, J. T. Etter.

Homer Road, near Coolidge Road, Ward 25, frame dwell., 27.6′ x 34.6′; owner, H. D. Van Norden; builder, J. T. Etter.

Alcott St., near Washington St., Ward 25, three-st'y frame dwell., pitch roof, 25′ x 39′; owner and builder, D. Baldwin.

West Seventh St., Nos. 45-47, Ward 13, 2 three-st'y frame dwells., flat roofs, 24′ x 31′; owner, Henry Howard; builders, Howard Bros.

C St., Nos. 68-70, Ward 13, 2 three-st'y frame

(*Continued on page* xx.)

FIREPROOF BUILDINGS.

It is no longer necessary to urge the importance of making buildings fireproof. The public demands that they should be so constructed.

Every owner now appreciates the fact that for whatever purpose it is to be used, it is of the utmost importance that his building should be *absolutely fireproof.*

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WASHINGTON, 520 Thirteenth St., N. W., J. H. Corning, Agent.
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Hollow Fire-clay Bricks for flat arches, partitions, furring, etc. Porous Terra-cotta Hollow and Solid Bricks and Slabs for partitions, furring, roof-lining, girder and column covering, etc. Buff and Mottled Front Brick, in American, Pompeian and Roman sizes, with Moulded Brick to match. Fire Brick for all purposes.

FOR a majority of the Architects in the United States and Canada we have executed important commissions, and they know that when the lighting of a Church, Hall or Public Building is placed in our hands no further thought or worry is necessary, as the work is always finished on time, and the result satisfactory. To those from whom we have received no orders, we ask that for the next building of that nature you have to light, you will allow us to submit an estimate for lighting the same.

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BUILDING INTELLIGENCE.

dwells., flat roofs, 20.6′ x 37′; owner, Henry Howard; builders, Howard Bros.

Webb Pl., from East Sixth St., Nos. 1-4, Ward 14, 4 three-st'y frame dwells., flat roofs, 30.4′ x 32.6′; owners, Webb Associates; builders, Bowers Bros.

L St., Nos. 63, 117 *and* 119, Ward 14, 3 three-st'y frame dwells., flat roofs, 76.8′ x 45.6′; owner, W. E. Baker; 22.9′ x 54.6′; owner, Mrs. A. G. Ham; 21.9′ 54.6′; owner, W. T. Eaton; builder, W. T. Eaton.

Linden Park St., Nos. 59-61, Ward 19, 2 three-st'y frame dwells., 22.4′ x 42.4′ and 32′ x 37′; owner, J. Kenney; builder, William Tobin.

Camden, N. J. — *Elwyn St.*, two-st'y dwell.; owner, T. J. West & Son.

Chestnut St., bet. Orchard St. and Camden & Atlantic R. R., 4 two-st'y frame dwells.; owner, Fred Leipert, 1142 Chestnut St.

Ninth St., w s, bet. Vine and Elm Sts., 18 two-st'y brick dwells.; builder, Chas. W. Cox, 826 Federal St.

Elm St., bet. Eighth and Ninth Sts., 7 two-st'y brick dwells.; builder, Charles W. Cox, 826 Federal St.

Sycamore St., cor. Orchard St., two-st'y frame dwell.; builder, Isidor Green, 1410 Louis St., Liberty Park.

Chestnut St., s e cor. Tenth St., 7 two-st'y brick dwells.; builder, Isidor Green, 1410 Louis St., Liberty Park.

Atlantic Ave., w Louis St., two-st'y frame dwell.; builder, John F. Betz, 1208 Liberty St.

Newton Ave., above Line St., 7 two-st'y brick dwells.; owner, Josiah F. Dorman, 617 Broadway.

Birch St., cor. Seventh St., two-st'y brick dwell.; owner, Patrick Martin.

Liberty St., near Haddon Ave., 13 two-st'y dwells.; builder, Isidor Green, 1410 Louis St., Liberty Park.

Walnut St., s e cor. Eighth St., two-st'y frame dwell.; owner, Adam Schlorer, 822 Chestnut St.

Chester, Pa. — *Potter St.*, cor. Broad St., dwell.; owner, Joseph M. Bottomley, 605 Edgmont Ave.

Chestnut Hill, Pa. — *Twenty-seventh St.*, w s, s Highland Ave., two-st'y brick and stone dwell.; builder, George S. Roth, Union Ave., near North Twenty-fourth St.

Cincinnati, O. — H. Saling, two-and-one-half-st'y brick and stone dwell., Holloway St.; cost, $4,500; architects, Kuhlman & De Camp.

Wm. Schreiber, two-st'y brick and stone dwell., June St.; cost, $7,000; architects, Samuel Hannaford & Sons.

John J. Schmitz, owner and architect, 2 two-st'y frame dwells., Tusculum Ave.; cost, $3,000.

Mrs. A. J. Fisher, two-and-one-half-st'y frame dwell., Highland Ave.; cost, $9,000; architects, Nash & Plympton.

Boffinger & Hopkins, owners and architects, two-and-one-half-st'y frame dwell., Nelson Ave.; cost, $3,500.

Sarah J. Hall, two-and-one-half-st'y frame dwell., Bates Ave.; cost, $3,000; architect, H. E. Siter.

Clifton Heights, Pa. — *Baltimore Ave.*, dwell.; owner, William Murray.

Edward T. Bishop will build dwell. on Bishop Tract.

Detroit, Mich. — D. McDonald & Co., two frame dwells., 120-122 Milwaukee Ave.; cost, $4,500.

E. A. Welsh & Son, brick dwell. and store, 604 Fort St., w; cost, $4,000.

Rogers & McFarland, brick dwell., 108 Lafayette Ave.; cost, $12,000.

Geo H. Whitaker, two-st'y double brick dwell., 178-180 Willis Ave.; cost, $5,000.

G. Harden, frame dwell., 703 Fourteenth Ave.; cost, $4,500.

Germantown, Pa. — *Chelten Ave.*, n s, e Anderson Ave., two-st'y dwell.; owner, Edward Micham, Chelten Ave., n Stenton Ave.

Weiss St., s s, w Chelten Ave., three-st'y dwell.; builder, John O. Broadbent, 5016 Germantown Ave.

Sharpnack St., n s, e Germantown Ave., 4 two-st'y stone dwells.; owner, A. S. Tourison, 5541 Germantown Ave.

Manayunk, Pa. — *Hermit St.*, n e cor. Manayunk Ave., two-st'y dwell.; owner, John T. Mellowdew, Manayunk Ave., w Adams St.

New London, Conn. — Dwell.; cost, $6,000; owner, Colin S. Buell; architects, Cole & Chandler, Boston.

BUILDING INTELLIGENCE.

New York, N. Y. — *Eighty-fourth St.*, n w cor. West End Ave., six brick, stone and terra-cotta dwells.; cost, $150,000; owner, Richard G. Place; architects, Day & True.

Seventy-second St., n s, 225′ e West End Ave., 3 four-st'y brick and stone dwells.; cost, $35,000; owner, J. W. Stokes; architects, Lamb & Rich.

Eighty-ninth St., n s, 225′ e Central Park, West, 9 four-st'y brick and stone dwells.; cost, $180,000; owner, Francis Crawford; architect, Henry Anderson.

Fourth St., Nos. 273-275, 2 five-st'y brick dwells., tin roofs; cost, $40,000; owner, Abraham Bleistift, 233 East Sixty-second St.; architect, Fred Ebeling, 3 First Ave.

Eighty-sixth St., Nos. 533-537, four-st'y brick dwell., tin roof; cost, $40,000; owner, New York Mothers Home, 531 East Eighty-sixth St.; architects, Wm. Schickel & Co., 246 Fifth Ave.

Norwich, Conn. — Dwell. and stable; cost, $20,000; owner, Chas. S. Johnson; architects, Cole & Chandler, Boston.

Philadelphia, Pa.—*Pennsgrove St.*, s s, e Holly St., 13 three-st'y brick dwells.; owners, Weeks & Michaelson, 4019 Lancaster Ave.

Twelfth St., below Walnut St., brick and stone dwell.; owner, Dallas Sanders; architects, Hutton, Hillman & Shirk, 400 Chestnut St.

Thomazine St., s s, w Thirty-second St., 12 three-st'y brick dwells.; builders, Pemberton & Co., 611 Drexel Building.

Gray's Ferry Ave., No. 1450, dwell.; owner, Jacob Schupp, 804 Walnut St.

Nineteenth St., e s, n Dauphin St., 16 two-st'y brick dwells.; owner, W. H. Hipple, s w cor. Norris and Thirteenth Sts.

Nineteenth St., e s, n Dauphin St., 16 three-st'y brick dwells.; owner, W. H. Hipple, s w cor. Norris and Thirteenth Sts.

Aramingo St., s s, e Trenton Ave., 5 two-st'y brick dwells.; contractor, Elias Gramlich, 1619 North Sixteenth St.

Allen's Lane, n s, w Green St., two-st'y brick and stone dwell.; contractor, Thomas M. Seeds, Jr., 203 Race St.

Ontario St., n s, w Philip St., 5 two-st'y brick dwells.; owner, John Armstrong, 3306 North Sixth St.

Thirty-second St., e s, bet. Page and Fontaine Sts., 9 two-st'y brick dwells.; owners, James H. Stevenson & Son, cor. Diamond St. and Ridge Ave.

Lancaster Ave., s s, bet. Forty-eighth and Forty-ninth Sts., 3 two-st'y brick dwells.; owner, Lewis Kirk, 5422 Haverford Ave.

Watts St., e s, bet. Snyder Ave. and McKean St., 6 two-st'y brick dwells.; builders, Kearney & McFarland, 401 Drexel Building, Chestnut and Fifth Sts.

Lyons Ave., w s, bet. Seventy-ninth and Eightieth Sts., 2 two-st'y brick dwells.; owner, Fred Paulsen, 794 Lyons Ave.

Forty-first St., w s, bet. Eaglesfield and Poplar Sts., 12 three-st'y stone and brick dwells.; owner, Wm. C. Merritt, cor. Poplar and Fortieth Sts.

Springfield Ave., s e s, w Forty-eighth St., 4 three-st'y dwells.; owners, McCooch & Johnston, 1607 Sansom St.

Windsor Ave., s e s, bet. Forty-seventh and Forty-eighth Sts., 6 three-st'y brick dwells.; owners, McCooch & Johnston, 1607 Sansom St.

Ridley Park, Pa. — Three-st'y frame dwell., slate owner, J. H. Bentley; contractor, James Meckert; architect, T. Frank Miller, Philadelphia.

Somerville, Mass. — *Beach St.*, near Central St., frame dwell., 22′ x 40′; owner and builder, John G. Poingdester.

Putnam St., near Summer St., three-st'y brick double dwell., flat roof, 43′ x 48′; owner, David D. Lord; builders, Lord Bros.; architects, Loring & Phipps, Boston.

Main St., frame dwell., 32.7′ x 38.7′; owner, Viscount De Valle Da Costa; builder, Geo. B. Brooks.

Conwell St., cor. Frances St., frame dwell., 20′ x 37′; owner and builder, W. L. Glidden.

Somerville Ave., No. 212, frame dwell., 24′ x 32′, and stable; owner and builder, John Sweeney.

Orchard St., near Russell St., frame dwell., 23.6′ x 52′; owner, Mrs. Ella L. Forbes; builders, Shirreffs & Grant.

Rossmore St., frame dwell., 22′ x 43.6′; owner, Mrs. Catherine Purcell; builder, Sylvester Woods.

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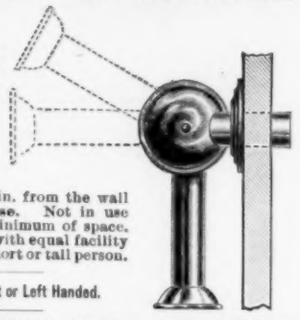

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BUILDING INTELLIGENCE.

Raymond St., frame dwell., 21′ x 23′; owner, G. W. Noyes; builder, Richard Gibson.

Joseph St., frame dwell., 21.6′ x 44′; owner, Annie H. Cheever; builder, James Matthews.

Nashua St., double frame dwell., flat roof, 45.6′ x 46′; owner, Sarah Claxton; builder, Dempster L. Murray.

Bigelow St., frame dwell., 24′ x 50′; owner, J. Henry Simmons; builder, J. L. Nutt.

Adrian St., two frame dwells., 20′ x 32′; owner and builder, J. W. Connor.

Bartlett St., near Vernon St., frame dwell., 27′ x 48.10′; owner, John McCormick; builder, Dempster G. Murray.

Broadway, cor. Arthur St., frame dwell., 26′ x 28′; owner, Nettie Shepard; builder, F. E. Shepard.

Vinal Ave., cor. Grand View Ave., frame dwell., 26′ x 46.6′; owner, William J. Willard; builder, Thomas Pingley.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $3,500; owner, Mrs. J. Cowan; contractor, M. Laine.

Two-st'y brick dwell.; cost, $4,500; owner, Cath. Hammon; contractor, M. Laine.

Two-st'y brick dwell.; cost, $3,600; owner, Gus Bischoff; contractor, C. H. Poertner.

Two-st'y brick dwell.; cost, $17,000; owner, Mrs. T. Spaengler; contractor, A. H. Haessler.

Two-st'y frame dwell.; cost, $2,800; owner, A. Zackow; contract, sub-let.

Two-st'y frame dwell.; cost, $9,000; owner, W. W. Sylvester; contractor, N. Pelligreen.

Two-st'y frame dwell.; cost, $3,000; owner and contractor, G. N. Moore.

Two-st'y frame dwell.; cost, $5,000; owner, J. B. Rozeer; contractor, T. F. Marley.

Three-st'y frame dwell.; cost, $5,000; owner, Jules Earnest; contractor, T. F. Marley.

Two-st'y frame dwell.; cost, $2,500; owner, L. B. Cayce; contractor, T. F. Marley.

Two-st'y frame dwell.; cost, $3,000; owner, E. H. Wagner; contractor, T. F. Marley.

Two-st'y frame dwell.; cost, $3,500; owner, M. Biebur; contractor, T. F. Marley.

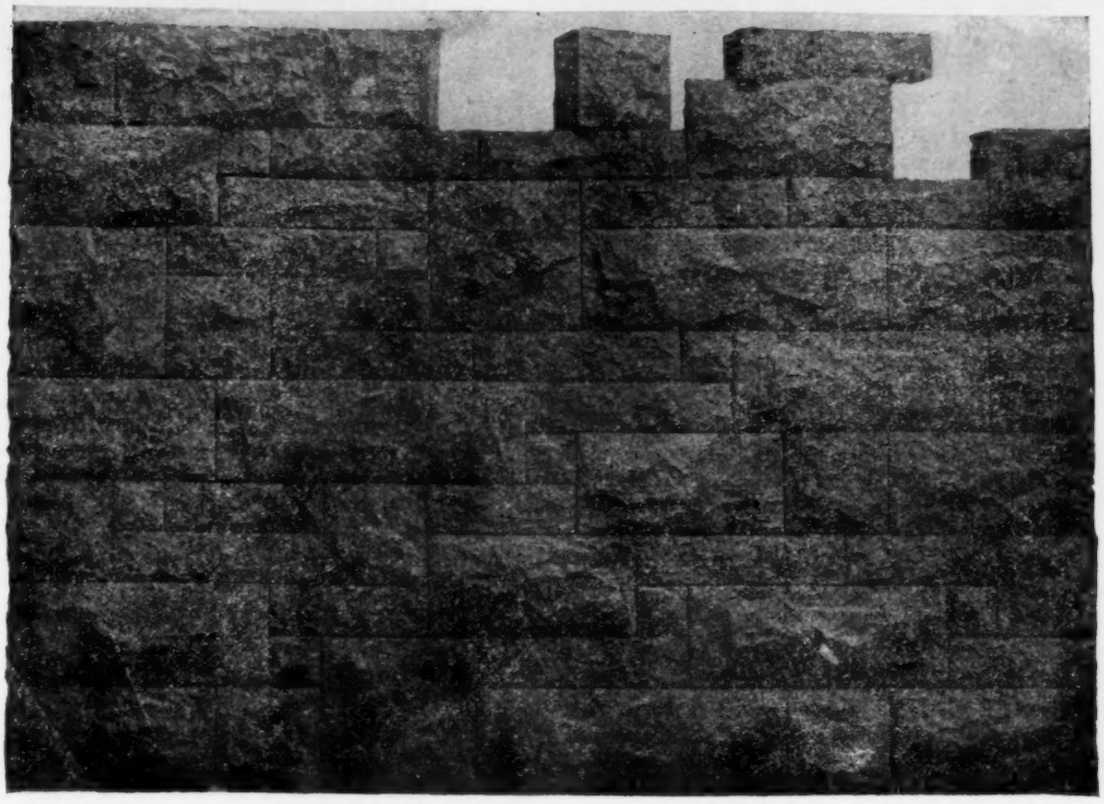
Two-st'y frame dwell.; cost, $2,500; owners, Zoetterle & Co.; contractor, J. Cassidy.

Two-st'y frame dwell.; cost, $6,500; owner, Mrs. Jos. Baer; contractor, Ch. Wehking.

Two-st'y frame dwell.; cost, $6,500; owner, R. S. Martin; contractor, Thos. Roach.

Two-st'y brick dwell.; cost, $6,500; owner, R. P. Von Wedelstead; contractor, J. H. Keefe.

THE BOSTON BRICK ASHLAR.



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BUILDING INTELLIGENCE.

Two-st'y brick dwell.; cost, $4,800; owner, Mrs. A. Brackman; contractor, Aug. Flener.

Two-st'y brick dwell.; cost, $6,000; owner, G. Marnagan; contractor, M. Britt.

Two-st'y brick dwell.; cost, $3,000; owner, F. Farber; contractor, R. Doreste.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, P. H. Callahan.

Two-st'y brick dwell.; cost, $3,500; owner and contractor, L. B. Wright.

Two-st'y brick dwell.; cost, $4,000; owner, Jno. Casey; contractors, Cook & Casey.

Two-st'y frame dwell.; cost, $3,200; owner, Mrs. L. W. Clark; contractor, T. J. Heimburger.

Two-st'y brick dwell.; cost, $13,000; owner, Mrs. H. Pelring; contract, sub-let.

Two-st'y frame dwell.; cost, $6,000; owner, Mrs. S. Vallette; contractor, J. Tierney.

Two-st'y brick dwell.; cost, $2,600; owner, St. Louis Property and Furnace Co.; contract, sub-let.

Two-and-one-half-st'y brick dwell.; cost, $3,000; owner and contractor, C. Werner.

Two-st'y brick dwell.; cost, $15,000; owner, J. S. Fullerton; contractors, Goesse & Remmers.

Two-st'y brick dwell.; cost, $3,000; owners and contractors, Barker and Edwards.

Two-st'y brick dwell.; cost, $2,500; owners and contractors, Barker & Edwards.

Two-st'y brick dwells.; cost, $3,000; owner, Strassburger & Co.; contractors, Southerland & Milford.

Two-st'y frame dwell.; cost, $6,500; owner, Lucy Metcalf; contractor, Wittig.

Vancouver, B. C. — Architects Fripp & Wills have prepared plans for a three-st'y dwell., to be built at Swan Lake, for Judge Spinks, to cost $7,000.

Worcester, Mass. — *Ash Ave.*, two-st'y frame dwell.; owner and contractor, J. W. Churchill.

Pleasant St., four-st'y frame dwell.; owner and contractor, A. R. Marble; architects, Earle & Fisher.

Plantation St., one-and-one-half-st'y frame dwell.; owner and contractor, G. Fournier.

North Merrick St., three-st'y frame dwell.; owner and contractor, J. B. Tucker.

Richards St., two-st'y frame private dwell.; owner, H. R. Sparrell; contractor, O. C. Ward; architects, Barker & Nourse.

Benefit St., three-st'y frame dwell.; owner, Dr. H. N. Lugrin; contractor, F. P. Jackson; architect, J. P. Kingston.

Florence St., three-st'y frame dwell.; owner, W. H. Gates; architect, J. B. Woodworth; day work.

Wall St., 2 three-st'y frame dwells.; owner, O. Nand; contractor, J. A. Courtmanche.

Millbury St., one-and-one-half-st'y frame dwell.; owner, Mrs. Charlotte Gustafson; contractors, Nilson & Silven.

Millbury St., three-st'y frame dwell.; owners, Christopher and Carl Holinstrom; contractors, Nilson & Silven.

Fairbanks St., three-st'y frame dwell.; owner, E. G. Rundstrom; contractors, Nilson & Silven.

SCHOOL-HOUSES.

Asheville, N. C. — The authorities have authorized the building of a school, to cost about $11,000.

BUILDING INTELLIGENCE.

Brooklyn, N. Y. — *Herkimer St.*, s w cor. Radd Pl., three-st'y brick school-house, tin and slate roof; cost, $55,000; owner, Board of Education, 131 Livingston St.; architect, J. W. Naughton, 131 Livingston St.

Covert St, n w cor. Evergreen Ave., four-st'y brick school, tin and slate roof; cost, $53,000; owner, Board of Education, 131 Livingston St.; architect, J. W. Naughton, 131 Livingston St.

Irving Ave., s e cor. Harman St., four-st'y brick school, tin and slate roof; cost, $53,000; owner, Board of Education, 131 Livingston St.; architect, J. W. Naughton, 131 Livingston St.

New London, Conn.—Brick schoolhouse, ten rooms; cost, $35,000; architects, Cole & Chandler, Boston.

New York, N. Y.—*Madison St., Fifth Ave., Fifty-first St.*, to Fifty-second St., three-st'y brick school, peaked iron frame filled-in with fireproof material and covered with slate roof; cost, $125,000; owner, R. C. Orphan Asylum, 40 East Sixty-eighth St.; architect, Wm. Schiekel, 246 Fifth Ave.

Willard Ave., to Clinton Ave., *Second St.*, to Third St., two-st'y brick school, peaked slate roof; cost, $18,000; owner, City of New York, City Hall, N. Y.; architect, C. B. J. Snyder, 146 Grand St.

Forty-sixth St., s s, abt. 200′ w Sixth Ave., four-st'y brick school-building, peaked, slate and tin roof; cost, $155,000; owner, City of New York; architect, C. B. J. Snyder, 146 Grand St.

PUBLIC-BUILDINGS.

Deep River, Conn. — Town hall; cost, $20,000; architects, Cole & Chandler, Boston.

STABLES.

Boston, Mass. — *Buttonwood St., rear*, near Mt. Vernon St., Ward 24, one-st'y frame stable, 20′ x 30′; owner and builder, H. T. Bowen.

Conway St., No. 6, rear, Ward 23, one-st'y frame stable, pitch roof, 20′ x 21′; owner, C. R. Whitcomb; builders, L. Martin & Co.

Nantasket Ave., rear, near Union St., Ward 25, one-st'y frame stable, pitch roof, 33′ x 110′; owner, A. J. Furbush; builders, Furbush & Prouty.

Centre St., rear, near Park St., Ward 23, frame stable; owner, Mrs. M. A. Canavan.

Adams St., rear, near Everett St., Ward 24, frame stable, 18′ x 24′; owner, John Calnan; builder, T. A. Sanford.

Capen St., near Fuller St., Ward 24, frame stable, 24′ x 28′; owner, Lewis C. Knight; builder, A. J. Brennan.

Highland Park Ave., No. 41, Ward 21, frame stable, 18′ x 20′; owner, F. C. Cole; builder, Isaac Sprague.

New York, N. Y. — *Forty-third St.*, s s, bet. Second and Third Aves., two-st'y brick stable; cost, $15,000; owner, Phœnix Brewing Co.; architect, Julius Munckwitz.

Boulevard, n w cor. Hull Ave., two-st'y stone and frame stable; owner, E. L. Maston; architect, E. R. Bourne.

Park Ave., w s, bet. Fiftieth and Fifty-first St., 6 three-st'y stables; owner, Thomas Brennan; architects, Lienan & Nash.

BUILDING INTELLIGENCE.

East Eighty-sixth St., Nos. 205-209, two-st'y brick stable, gravel roof; cost, $6,000; owner, Mary S. Bonnell, 305 East Sixty-first St.; architect, J. L. Hiller, 116 West Eighty-second St.

One Hundred and Thirteenth St., Nos. 217-219, two-st'y brick stable, tin roof; cost, $4,000; owners, Samesch & Hertz, 424 East Fifty-first St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Philadelphia, Pa. — *Cumberland St.*, s s, bet. Twenty-sixth and Twenty-seventh Sts., two-st'y stable; owner, S. A. Hubbs, 3001 Dauphin St.

Jackson St., n s, bet. Second and Third Sts., two-st'y brick stable; builder, Wm. Bunch, Jr., 422 North Forty-first St.

Somerville, Mass.—*Washington St.*, two-st'y frame stable, pitch roof, 31′ x 68′; owner, Asa M. Cook; builders, John S. D'Arcy & Co.

Worcester, Mass. — *Richards St.*, two-st'y frame stable; owner, H. K. Sparrell; contractor, O. C. Ward; architects, Barker & Nourse.

STORES.

Boston, Mass.—*Cambridge St., No.* 33½, Ward 4, one-st'y iron store, flat roof, 10′ x 28′; owner, J. A. Coffin; builders, D. F. Gallagher & Co.

Brooklyn, N. Y. — *Knickerbocker Ave.*, e s, 25′ n De Kalb Ave., three-st'y frame store and dwell., tin roof; cost, $7,000; owner, Chr. Keppler, 207 Knickerbocker Ave.; architect, Frank Holmberg, 1169 Broadway.

Evergreen Ave., w s, 153′ 9″ n Willoughby Ave., three-st'y frame store and flat, tin roof; cost, $4,600; owner, John Kohn, 186 Evergreen Ave.; architect, Ernest Dennis, 115 Himrod Ave.; builder, John Rueger Building Co., 252 Moore St.

Knickerbocker Ave., n e cor. De Kalb Ave., three-st'y frame store and dwell., tin roof; cost, $8,000; owner, Chr. Keppler, 207 Knickerbocker Ave.; architect, Frank Holmberg, 1169 Broadway.

Stone Ave., e s, 25′ s Sutter Ave., three-st'y frame store and dwell., tin roof; cost, $4,500; owners, Aaron and Rosa Belanovsky, 174 Suffolk St., New York City; architect, A. J. Warren, 2581 Atlantic Ave.

Bushwick Ave., s e cor. Covert St., three-st'y frame store and dwell., tin roof; cost, $4,000; owner, architect and builder, Chas. D. Hommell, 1064 Hancock St.

Weirfield St., s e cor. Evergreen Ave., three-st'y frame store and dwell., tin roof; cost, $3,500; owners, architects and builders, Cozine & Gascoine, 1223 Bushwick Ave.

Gates Ave., n s, 100′ e Central Ave., 2 three-st'y frame stores and dwells., tin roofs; cost, $4,500 each; owner and builder, John Meehan, 1300 Bushwick Ave.; architect, B. Finkensiefer, 93 Broadway.

Wyckoff Ave., n w cor. Harmon St., 4 three-st'y frame stores and dwells., tin roofs; total cost, $13,000; owner and builder, Daniel Fink, 367 Himrod St.; architect, H. Vollweiler, 483 Hart St.

Graham Ave., e s, 44′ s Richardson St., four-st'y frame store and dwell., tin roof; cost, $6,000; owner, L. W. Fleer, on premises; architect, H. Vollweiler, 483 Hart St.

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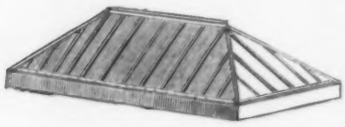

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Reid Ave., s w cor. Halsey St., 4 four-st'y brick stores and apartment-houses, tin roofs; cost, $45,000; owners and builders, Assip & Buckley, 314 Fifth Ave.; architect, W. M. Coots, 189 Montague St.

Eighth Ave., n w cor. Eleventh St., four-st'y brick store and dwell., tin roof; cost, $8,500; owner, Geo. Keller, 571 Sixth Ave.; architect, W. H. Wirth, 358 Seventeenth St.

Montauk Ave., n e cor. Eastern Parkway, three-st'y frame store and dwell., tin roof; cost, $4,800; owner, Louis Feldmann, 6 Moffat St.; architect, Chas. Infanger, 126 Van Sicien Ave.

Knickerbocker Ave., e s, 25′ s Troutman Ave., three-st'y frame store and dwell., tin roof; cost, $4,200; owners, Wm. Stadler and wife, on premises; architect, E. Schrempf, 534 Bushwick Ave.

Evergreen Ave., w s, 137′ 1½″ n Melrose St., 3 three-st'y frame stores and dwell., tin roofs; cost, $4,200 each; owner, J. L. Radeeke, 856 Flushing Ave.; architect, Th. Engelhardt, 905 Broadway.

Nostrand Ave., w s, 200′ s Flushing Ave., four-st'y brick store and dwells., tin roof; cost, $14,000; owner, J. Jacoby, Jackson St.; architect, Frank Holmberg, 1169 Broadway.

Washington Ave., w s, 122′ s Flushing Ave., 2 four-st'y brick stores, gravel roofs; cost, $5,000 each; owners, W. and Ch. Smith, on premises; architect, B. Finkensiefer, 93 Broadway.

Third St., s e cor. Seventh Ave., four-st'y brick store and dwell., tin roof; cost, $18,000; owner, M. A. Young, 1036 Jefferson Ave.; architect, John L. Young, 287 Halsey St.

Ralph Ave., e s, 30′ n Halsey St., 2 three-st'y brick stores and flats, tin roofs; cost, $6,800 each; owner and builder, Mr. B. Gallagher; architects, I. D. Reynolds & Son, 363 Fulton St.

Ralph Ave., e s, 72′ n Halsey St., three-st'y brick store and flat, tin roof; cost, $7,000; owner and builder, Mr. B. Gallagher; architects, I. D. Reynolds & Son, 363 Fulton St.

Ralph Ave., n e cor. Halsey St., three-st'y brick store and flat, tin roof; cost, $8,000; owner and builder, Mr. B. Gallagher; architects, I. D. Reynolds & Son, 363 Fulton St.

Albany Ave., n e cor. Pacific St., 2 four-st'y brick stores and flats, tin roofs; cost, $12,000; owner, architect and builder, Wm. V. Young, 209 McDonough St.

Eighth Ave., n w cor. Tenth St., 5 four-st'y brick stores and dwells., tin roofs; cost, $40,000; owner and builder, James Jack, 454 Ninth St.; architect, W. M. Coots, 189 Montague St.

Sixth Ave., s e cor. Fifth St., 5 four-st'y brick stores and dwells., tin roofs; cost, $30,000; owner and builder, L. Bonert, 528 Tenth St.; architect, W. M. Coots, 189 Montague St.

Fourth Ave., n e cor. Twelfth St., 5 four-st'y brick stores and flats, tin roofs; cost, $55,000; owner, Mary E. Miller, 261 Thirteenth St.; architect, George M. Miller, 261 Thirteenth St.

Fifth Ave., w s, 20′ s Forty-sixth St., three-st'y frame store and dwell., tin roofs; cost, $3,200; owner, J. E. Sauer, 1037 Third Ave.

Fifth Ave., s w cor. Forty-sixth St., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, J. E. Sauer, 1039 Third Ave.

Second Ave., e s, 50′ n Fifty-fourth St., 3 three-st'y frame stores and dwells., tin roofs; cost, $3,000 each; owner, T. V. Martin, Fourth Ave. and Seventy-seventh St.

Atlantic Ave., n e cor. Schenck Ave., 4 three-st'y brick stores and dwells., tin roofs; cost, $22,000; owner, D. J. Molloy, Atlantic and Van Sicien Aves.; architects, Danmar & Fischer, Atlantic and Van Sicien Aves.

Cincinnati, O.— Helen H. Chatfield, three-st'y brick and stone store, etc., 215 Elm St.; cost, $3,000; architect, G. Drach.

Detroit, Mich. — Wallace & Morris, five-st'y brick store, 180-182 Larned St., west; cost, $12,000.

M. Whittersheim, brick store, 1626 Michigan Ave.; cost, $3,500.

New York, N. Y.—*Broadway, No.* 828, six-st'y brick store, tin roof; cost, $65,000; owners, Weinberg & Clark, 647 Broadway; architect, Richard Berger, 110 Leonard St.

Fourteenth St., s s, bet. Sixth and Seventh Aves., six-st'y iron, brick, stone and terra-cotta building; owners, Coon & Ottinger; architects, Cleverdon & Putzel.

Sixth Ave., s e cor. Twentieth St., six-st'y brick and stone store-building; owner, Rhinelander estate; architects, Hubert, Pirsson & Hoddick.

Hubert St., n w cor. Collister St., five-st'y brick store, tin roof; cost, $18,000; owner, Joseph H. Bearns, 253 Washington St.; architect, J. Kastner, 744 Broadway.

West St., No. 224, five-st'y brick store, metal roof; cost, $15,000; owner, John Steingester, 210 Hooper St.; architects, John B. Snook & Son, 12 Chamber St., New York.

Hubert St., n w cor. Collister St., five-st'y brick store, tin roof; cost, $18,000; owner, Joseph H. Bearns, 119 Lefferts Pl.; architect, J. Kastner, 744 Broadway.

Howard St., s w cor. Elm St., five-st'y brick store, tin roof; cost, $20,000; owner, Albert Kellerhouse, 408 Broome St.; architect, Thomas S. Godwin, 211 West Fifty-eighth St.

St. Louis, Mo. — Two-st'y brick store and flats; cost, $5,000; owner and contractor, J. Hennerick.

Two-st'y brick store and flats; cost, $5,500; owners, Boyce Bros.; contractor, J. H. Keefe.

Two-st'y brick store and dwell.; cost, $4,300; owner, A. Behning; contractors, Thomsen & Mertz.

Two-st'y brick store and dwell.; cost, $3,500; owner and contractor, Henry Bruns.

TENEMENT-HOUSES.

Brooklyn, N. Y.—*Fifth Ave.*, s w cor. Twenty-second St., two double tenements and stores, tin roofs; cost, $18,000; owner, John D. Witte, 228 Twenty-second St.; architect, John H. Korwan, 311 Fifteenth St.

Park Ave., n s, 25′ w Nostrand Ave., three-st'y brick tenement, tin roof; cost, $6,000; owner, P. S. McNamee, Walmar St. and Park Ave.; architect, Ernest Dennis, 115 Himrod St.

New York, N. Y.—*First Ave.*, w s, 50′ s One Hundred and Twenty-fourth St., 2 five-st'y brick tenements, tin roofs; cost, $28,000; owner, August Jacob, 260 East Seventy-eighth St.; architect, Edward Wenz, 1491 Third Ave.

Somerville, Mass. — *Beacon St., Nos.* 297-299, frame tenements, flat roof, 36′ x 58′; owner, William H. Berry; builder, R. M. Ells.

THEATRES.

Brooklyn, N. Y. — *Broadway*, junction of Middleton and Throop Aves., one-and-three-st'y brick theatre, tin roof; cost, abt. $55,000; owners, Hyde & Behmann, 342 Adams St.; architects, J. B. McElfatrick & Son, 1193 Broadway, New York City.

WAREHOUSES.

Cincinnati, O. — C. A. Nulson, six-st'y brick and stone warehouse, Main St.; cost, $15,000; architect, E. G. Reuckert.

G. B. Schulte, Sons & Co., six-st'y brick and stone warehouse, Main St.; cost, $30,000; architects, Samuel Hannaford & Sons.

New London, Conn. — Three-st'y warehouse; cost, $12,000; owners, F. H. Chappell & Co.; architects, Cole & Chandler, Boston.

PROPOSALS.

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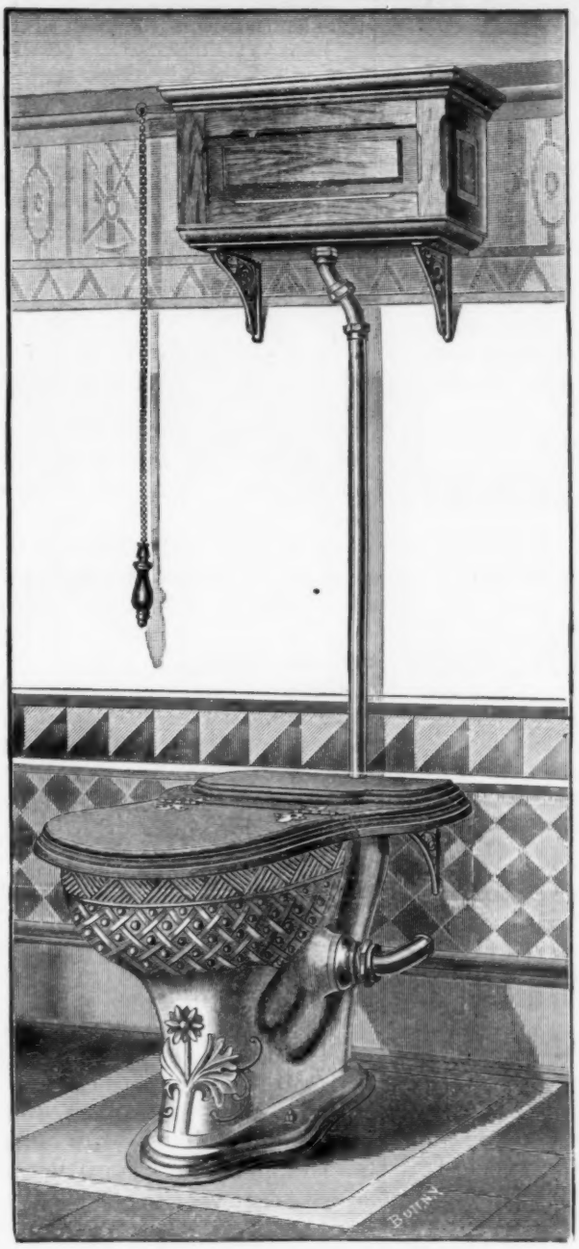

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Treasury Department, Office Supervising Architect, Washington, D. C., May 26, 1892. Sealed proposals will be received at this office until two o'clock P. M. on the 22d day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the trench excavations, foundations, cut-stone work and brickwork of the basement and area walls, basement columns, first floor beams, girders and wood joists of the United States Post-office building at Danville, Ill., in accordance with drawings and specifications, copies which may be had on application at this office or the office of the Superintendent at Danville, Ill. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder Proposals must be enclosed in envelopes sealed and marked "Proposal for Trench Excavation, Foundations, Cut-stone Work and Brickwork of the Basement and Area Walls, etc., for the United States Post-office building at Danville, Ill.," and addressed to W. J. EDBROOKE, Supervising Architect.

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Treasury Department, Office Supervising Architect, Washington, D. C., May 28, 1892. Sealed proposals will be received at this office until two o'clock, P. M. on the 21st day of June, 1892, and opened immediately thereafter, for furnishing and delivering at freight depot in city where required safes for the United States Government Building at the following cities: Augusta, Ga.; Cairo, Ill.; Norfolk, Va.; Paducah, Ky., and Sedalia, Mo., in accordance with the specification, copies of which may be had at this office. Bids for one or more of the safes must be accompanied by a certified check for a sum not less than two per cent of the amount of the bid. The right is hereby reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Safes for United States Government Buildings," and addressed to W. J. EDBROOKE, Supervising Architect.

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PROPOSALS.

Treasury Department, Office of Supervising Architect, Washington, D. C., May 20, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 17th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the erection and completion (except heating apparatus) of the United States Post-office building at Atchison, Kansas, in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Atchison, Kansas. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposals for the Erection and Completion (except Heating Apparatus) of the United States Post-office building at Atchison, Kansas," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Proposals for Glass, Office of Building for Library of Congress, No. 145 East Capitol Street, Washington, D. C., May 19, 1892. Sealed proposals for furnishing and delivering the polished plate and double thick window-glass required for the book stack windows of the Building for the Library of Congress in this city, will be received at this office until two o'clock P. M. on Thursday, the 9th day of June, 1892, and opened immediately thereafter in presence of bidders. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent and Engineer. 858

Treasury Department, Office Supervising Architect, Washington, D. C., May 20, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of June, 1892, and opened immediately thereafter, for all the labor and materials, and fixing in place complete, the low-pressure, return-circulation, steam-heating and ventilating apparatus, high-pressure steam supply to bath boilers, etc., including water-supply mains and concrete tunnels for all supply mains, salt-water supply service to fire-plugs, etc., for hospital buildings B, C and D, and addition E, and kitchen and dining-room building of the Immigration Station at Ellis Island, New York Harbor, N. Y., in accordance with drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Ellis Island, New York. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Immigration Station at Ellis Island, New York Harbor, N. Y.," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Treasury Department, Office of Supervising Architect, Washington, D. C., May 21, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 14th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for furnishing and fixing in place complete the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house and Post-office building at Chattanooga, Tenn., in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Superintendent at Chattanooga, Tenn. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids or to waive any defect or informality in any bid, if it be deemed in

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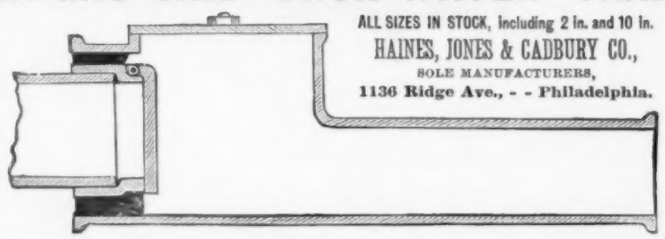

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PROPOSALS.

the interest of the Government to do so. All proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus fore United States Court-house and Post-office building at Chattanooga, Tenn.," and addressed to W. J. EDBROOKE, Supervising Architect. 858

Treasury Department, Office Supervising Architect, Washington, D. C., May 19, 1892. Sealed proposals will be received at this office until 2 o'clock P. M. on the 9th day of June, 1892, and opened immediately thereafter, for all the labor and materials required for putting in place complete the new low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Court-house and Post-office building at Portland, Me., in accordance with the drawings and specifications, copies of which may be had at this office or the office of the Custodian at Portland, Me. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for the New Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Court-house and Post-office building at Portland, Me.," and addressed to W. J. EDBROOKE, Supervising Architect. 858

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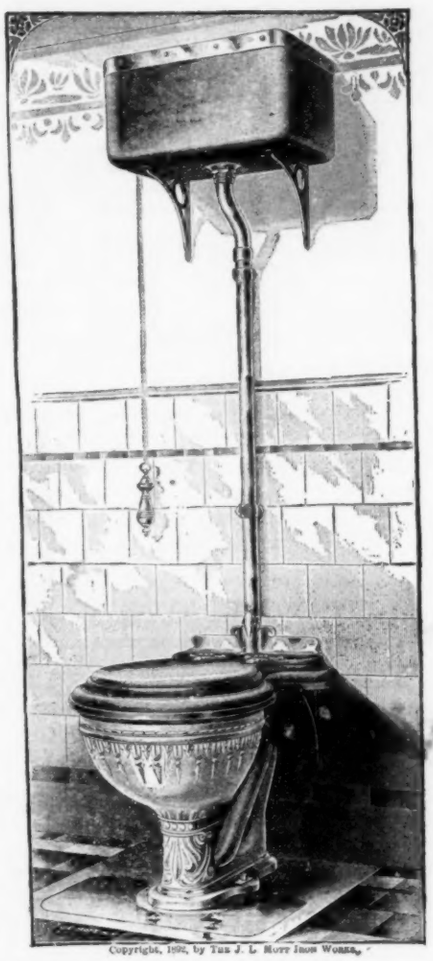

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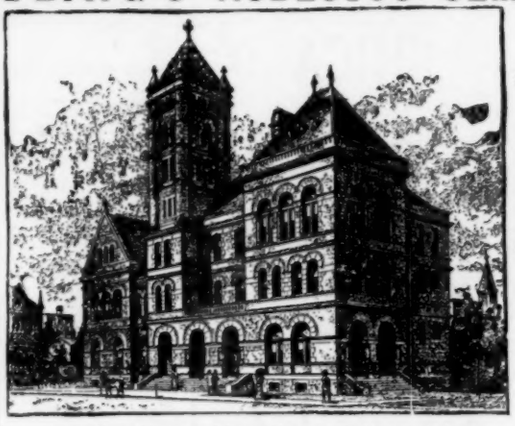

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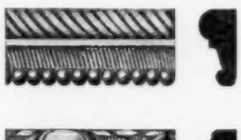
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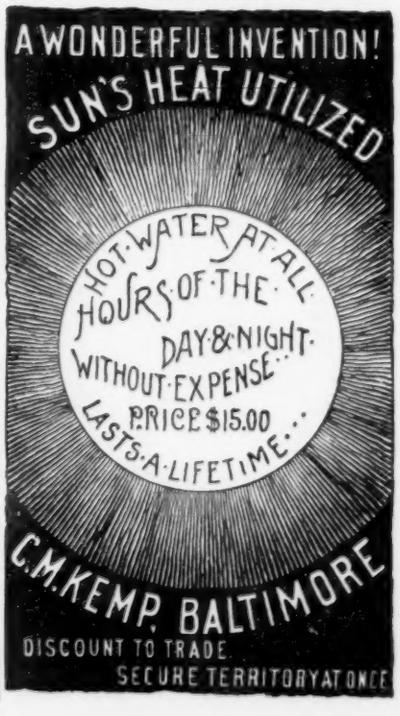

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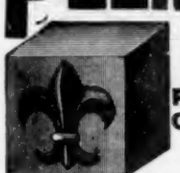

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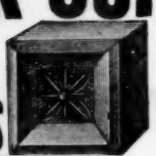

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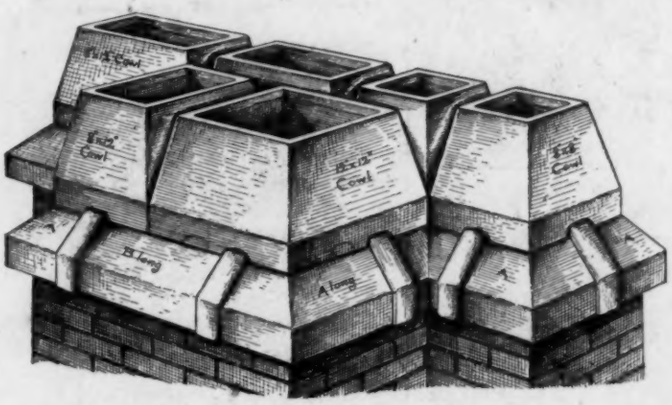

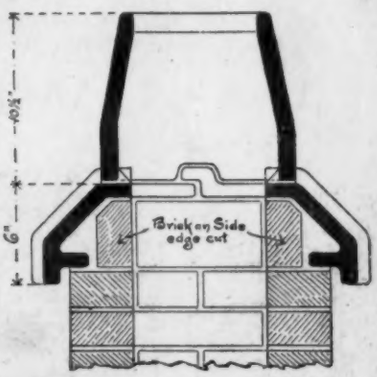

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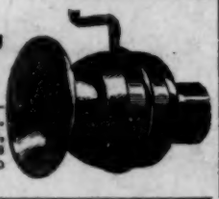

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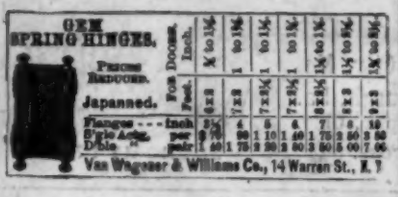

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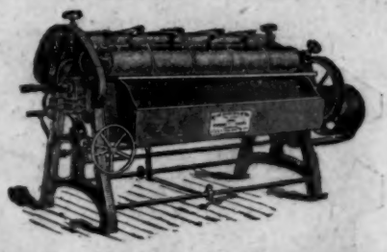

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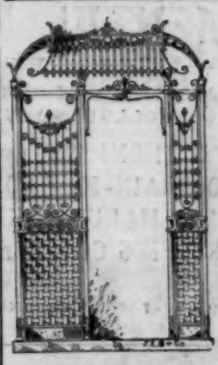

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No. 120. SATURDAY, JUNE 4, 1892. VOLUME XXXVI. No. 858.

THE BOLTON HOT-WATER HEATER.

THERE are few hot-water heating-apparatuses so well-known to the trade as the "Bolton" heater, manufactured by the Detroit Heating & Lighting Co., of Detroit, Mich., and fewer still which enjoy such merited popularity with the public. The "Bolton" has been well advertised, but this alone could never have gained for it the high reputation which it enjoys. The manufacturers claim that this enviable position has been earned by distinct merit and assert that one of the many advantages which the "Bolton" possesses, that of economy in fuel, is alone sufficient to explain its popularity and wide sale.

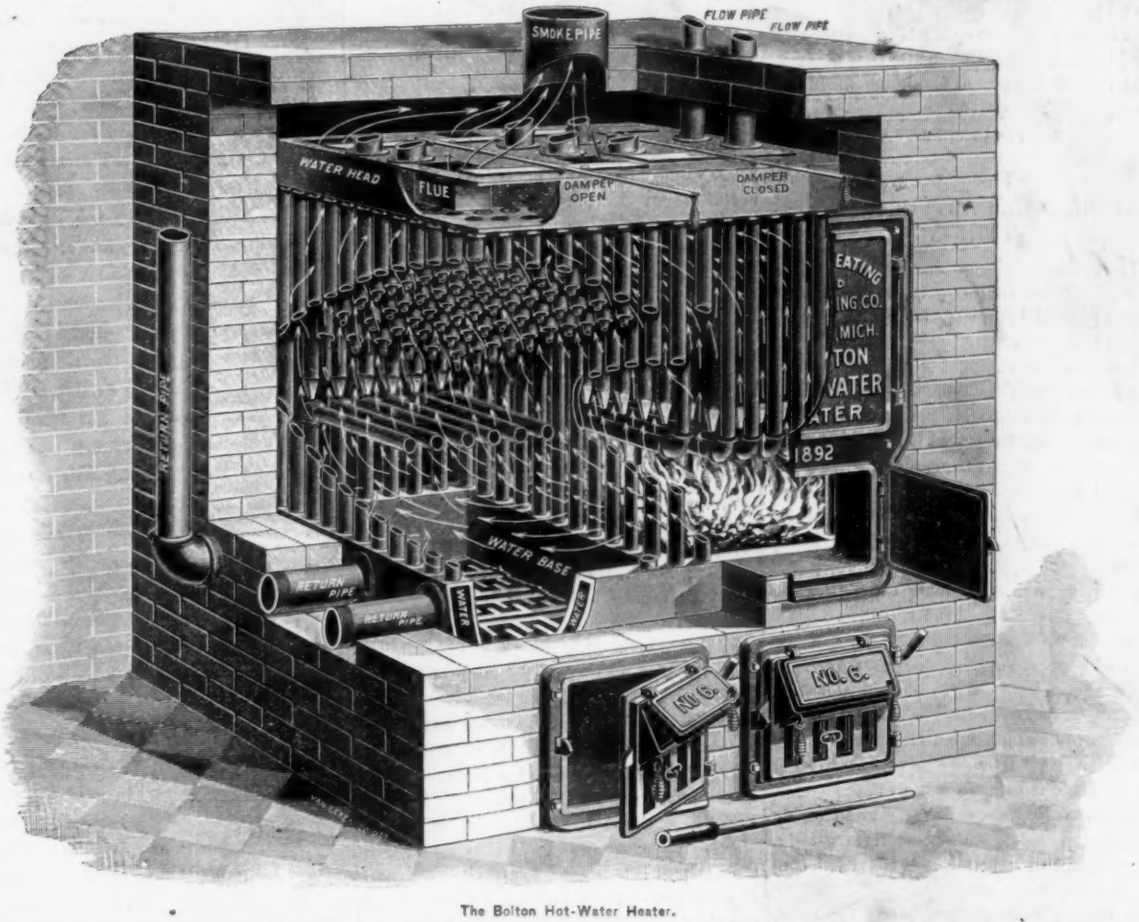
A new engraving is here presented showing a broken view of this famous heater, which is made in all sizes, with capacity ranging from 400 to 10,000 feet of radiation, thus making it equally suitable for the largest buildings or the smallest residence.

One of the excellent features of the "Bolton" is the economy in fuel of the double and triple fire-pot sizes, whereby a great saving of coal is effected by using only one-half or one-third of the fire-pot capacity, while the remaining unused fire-boxes are kept in reserve for the extreme weather commonly experienced for a few days in any winter.

From an inspection of the accompanying cut it will be seen there is no cast-iron or brick wall partition between the heater's sections as is the case in the "twinned" boilers of other makes. This construction is peculiar to the "Bolton" heater, and gives it the great advantage of passing the heat of only one fire-box over the entire heating surface of practically two or three heaters, producing ample heat and resulting in a great saving of coal. This operation would be impossible were the heaters built with partitions between sections or entirely separate, necessitating full fire-box capacity to be always in use, even on the mildest winter day. With only one fire-box in use, by closing the direct-draught damper above the fire and leaving open the one belonging to the unused fire-box, the heat in order to escape must first pass over and among the pipes composing the heating-surface of both parts of the boiler, as indicated by the arrows in the cut. As the water base and top for both fire-pots are continuous, a fire in either side of the heater acts directly upon the entire body of water and not alone upon that in its individual section, as is the case with "twinned" heaters.

These are among the many valuable features of the "Bolton" hot-water heater that have made it the especial favorite with architects and experts for large work as well as for ordinary home and greenhouse heating.

These heaters have been selected for the Convent of the Visitation, St. Louis, Mo., which requires upward of 27,000 feet of radiation. This heater is famous for its success



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in heating the largest buildings. The new Credit Building at Newark, N. J., the Weinstock-Lubin Building, Sacramento, Cal., the Kiser Office Building, Atlanta, Ga., the Tallmage & Boyer and Ochiltree Buildings, Denver, Colo., all very large structures, will show the range of this heater's popularity, while the successfully heated schools, hospitals, churches, etc., in all parts of the country, further prove the heater's special adaptability for the very largest buildings.

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In addition to this, we have also contracted with the World's Columbian Exposition, at Chicago, for 2,500 horse-power Zell boilers, for supplying power at the fair.

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A CORRESPONDENT in the *American Machinist* says: If engineers, machinists and millwrights in general and pipe-fitters in particular knew of the good qualities of graphite, I dare say there would be ten times the demand for it. Its lubricating qualities are questioned only by the impractical and it is this quality alone that sounds its key-note, so to speak. Let me describe a few of what I consider its most important uses. As above stated its primary object is lubrication and it is to this fact we must credit good pipe joints and cool bearings. In making pipe cement (or as I would term it, pipe smear), it is not necessary to use the best oil or grease, as it is the Graphite and not the body in which it is suspended, that makes the mixture valuable and the joint perfect. I use the drippings from line shaft bearings, caught in the ordinary way and mix it with the best Ticonderoga flake Graphite so that it can be applied with an ordinary sash tool.

During the past three years I have used about fifteen or twenty pounds of dry Ticonderoga flake Graphite for pipe joints, cylinder heads, piston rod packing, etc.

Bolts, smeared with Graphite mixed as above, I have unscrewed after having been in the dampest places for upward of two years, or more, proving the anti-rusting qualities of Graphite. To cool hot bearings put it on as thick as it will mix with oil.

Almost any oil or grease will answer but don't use poor Graphite.

JOS. DIXON CRUCIBLE CO.,
JERSEY CITY, N. J.

THE Samson Cordage Works, of No. 115 Congress Street, Boston, Mass., have been increasing their plant for the manufacture of "Samson" braided cord, and have recently purchased a water-power near their mill which they expect to transmit by electricity, as the power that they now have is insufficient without the use of steam.

BUILDING INTELLIGENCE.

Reported for the American Architect & Building News.

APARTMENT-HOUSES.

Boston, Mass.— *Willow St.*, opp. Acorn St., Ward 9, six-st'y brick apartments, mansard roof, 23.9' x 38'; owner, A. F. Conant, trustee.

Brooklyn, N. Y.—*Meserole Ave., No.* 173, four-st'y brick flat, tin roof; cost, $9,200; owner, Gustav Nitchke, 173 Meserole Ave.; architect, Edward Ahrens, 526 Manhattan Ave.; architects, J. N. Philip's Sons, 108 Meserole Ave.

St. Mark's Ave., s s, 180' e Classon Ave., four-st'y brick flat, tin roof; cost, $5,400; owner, Philip Rogers, 555 St. Mark's Ave.; architect, Albert E. White, 445 First St.

Chicago, Ill. — Michael Jegousky, two-st'y flats, 8814 Houston St.; cost, $5,000.

Mrs. Annie Hasse, 2 two-st'y flats, 1139-1141 Jackson Boulevard; cost, $12 000.

G. E. Gross, four-st'y flats, 17-19 Stone St.; cost, $12,000.

John Graf, two-st'y flats, 515 Albany Ave.; cost, $3,000.

H. M. Baker, 2 three-st'y flats, 1068-1070 Jackson Boulevard; cost, $15,000.

Martin Champion, two-st'y flats, 4338 Union Ave.; cost, $5,500.

V. Schultz, two-st'y flats, 4744 Halsted St.; cost, $6,000.

B. L. Davis, two-st'y flats, Forty-seventh St. and Wentworth Ave.; cost, $3,000.

J. Van Beger, two-st'y flats, 505 Fulton St.; cost, $3,000.

A. Brosslay, three-st'y flats, 610 North May St.; cost, $9,000.

Otto Regusch, two-st'y flats, 3144 Ullmann St.; cost, $4,000.

Eastman & Kelsey, three-st'y flats, Ninety-third St. and Houston Ave.; cost, $3,000.

John Purcell, three-st'y flats, 5462 Kimbark Ave.; cost, $6,000.

A. Johnson, two-st'y flats, 325 Seymour St.; cost, $4,000.

F. K. Kingnell, three-st'y flats, Forty-third St. and Oakenwald Ave.; cost, $7,000.

M. Blaha, three-st'y flats, 5218 Lincoln St.; cost, $6,000.

Martin Peterson, three-st'y flats, 405 West Division St.; cost, $7,000.

A. Bauman, three-st'y flats, 6840 South Ashland Ave.; cost, $6,500.

Mrs. Ellen McCarthy, three-st'y flats, 623 Sixty-third St.; cost, $8,000.

Charles A. Wall, three-st'y flats, 636 West Fourteenth St.; cost, $6,500.

A. Olf, four-st'y flats, 2971 Archer Ave.; cost, $15,000.

Frank Keresskel, 5 three-st'y flats, Halsted and Melrose Sts.; cost, $18,000.

Dennis Murphy, three-st'y flats, 495 South Paulina St.; cost, $5,500.

August Dehmler, four-st'y flats, 379 Sedgwick St.; cost, $5,000.

Albert Hukoff, two-st'y flats, 46 Werder St.; cost, $3,000.

N. J. Ellis, two-st'y flats, 1527 West Monroe St.; cost, $4,000.

Walter J. Dee, three-st'y flats, 85 Seminary Ave.; cost, $6,000.

Frank Wemence, two-st'y flats, 1119 South Kedzie Ave.; cost, $3,500.

John Pitzaleck, three-st'y flats, 327 Seventeenth St.; cost, $4,500.

F. D. Valk, two-st'y flats, 5512 Jefferson Ave.; cost, $3,000.

Thomas Polleck, three-st'y flats, 9018 Exchange Ave.; cost, $3,000.

F. G. Dickinson, 3 two-st'y flats, 718-728 Sixty-third St.; cost, $12,000.

American Employment Association, three-st'y flats, 6101 Park Pl.; cost, $10,000.

Hinds & Richosal, 2 three-st'y flats, 5656-5658 Wabash Ave.; cost, $18,000.

George A. Seaverns, 19 three-st'y flats, Archer Ave. and Thirty-third St.; cost, $100,000.

Hugh Matthews, 2 three-st'y flats, 167-169 Western Ave.; cost, $4,800.

John J. Weber, four-st'y flats, 493 North Clark St.; cost, $13,000.

Charles Busby, 6 four-st'y flats, Indiana Ave. and Twenty-fifth St.; cost, $75,000.

H. S. Brown, 6 four-st'y flats, 4800-4802 Evans Ave.; cost, $24,000.

W. A. Harms, two-st'y flats, 472 Lewis St.; cost, $3,800.

John Franz, two-st'y flats, 885 Spaulding Ave.; cost, $5,000.

G. H. Brady, three-st'y flats, 805 Ohio St. and 274 Albany Ave.; cost, $10,000.

H. K. Childs, two-st'y flats, 41-43 Seventy-third cost, $4,000.

Charles Ballard, 5 five-st'y flats and hall, 151-156 Fifty-third St.; cost, $70,000.

T. G. McElligott, two-st'y flats, 4516 Indiana Ave.; cost, $4,500.

M. Huch, two-st'y flats, 917 Turner Ave.; cost, $3,300.

New York, N. Y.—*Sixty-eighth St.*, n s, 100' e Boulevard, 2 five-st'y brick and stone flats; cost, abt. $75,000; owner, James Butler; architect, John P. Leo.

Ninetieth St., s s, 200' w First Ave., four brownstone flats; cost, $60,000; owner, George Schreiner; architect, John Hauser.

Fifty-seventh St., n s, adj. Fine Arts Academy, seven-st'y brick and stone apartment-house; cost, $175,000; owners, Horgan & Slattery.

Columbus Ave., n e cor. Sixty-sixth St., 3 five-st'y brick and stone flats and stores; cost, $95,000; owner, James Flanagan; architect, Julius Munckwitz.

One Hundred and Sixteenth St., s s, 35' e Park Ave., 2 six-st'y brick apartment-houses; cost, $110,000; owner, Wm. J. Mathews; architect, John C. Burne.

One Hundred and Twenty-sixth St., s s, 75' e Boulevard, 5 five-st'y brick and stone flats; cost, $115,000; owner, Thomas J. Robinson; architect, John C. Burne.

Essex St., Nos. 13-15, 2 six-st'y brick flats, tin

roofs; cost, $44,000; owner, Est. Maria B. Mount, 4 West Twenty-first St.; architects, Kurtzer & Rohe, cor. Third Ave. and Seventh St.

Ninth Ave., e s, 33' 5" s Sixty-sixth St., 2 five-st'y brick flats, tin roofs; cost, $60,000; owner, James Flanagan, 53 West Twenty-ninth St.; architect, Julius Munkowitz, 247 West One Hundred and Twenty-fifth St.

East Eighty-second St., No. 347, five-st'y brick flat, tin roof; cost, $20,000; owners, Stegmayer & Crammer, 306 East Eighty-second St.; architect, Charles Stegmayer, 306 East Eighty-second St.

Ninth Ave., s e cor. Sixty-sixth St., five-st'y brick flat, tin roof; cost, $35,000; owner, James Flanagan, 53 West Twenty-ninth St.; architect, Julius Munkowitz, 247 West One Hundred and Twenty-fifth St.

Ninetieth St., s e cor. Madison Ave., six-st'y brick flat, tin roof; cost, $100,000; owner, Rosanna Muldoon, 547 Park Ave.; architect, F. A. Minuth, 822 Broadway.

Forty-first St., n s, 225' e Third Ave., 2 five-st'y brick flats, tin roofs; cost, $37,000; owner, Peter Albert, 443 Second Ave.; architects, Thom & Wilson, 1267 Broadway.

Eighth Ave., s w cor. One Hundred and Nineteenth St., five-st'y brick flat, tin roof; cost, $20,000; owner, John W. Stevens, 2117 Third Ave.; architects, Thom & Wilson, 1267 Broadway.

One Hundred and Nineteenth St., s s, 80' w Eighth Ave., five-st'y brick flat, tin roof; cost, $20,000; owner, John W. Stevens, 2117 Third Ave.; architects, Thom & Wilson, 1267 Broadway.

Columbus Ave., n e cor. Sixty-fifth St., seven-st'y brick and stone apartment-house; owner, Ralph Marsh estate; architects, Stephen D. Hatch.

West Ninth St., No. 64, four-st'y brick and stone apartment-house; owner, C. Percival; architect, C. M. Merritt.

East Eighty-fourth St., Nos. 331-337, two brick and stone apartment-houses; owners, Frederick W. Sauer and Conrad R. Gross; architect, C. Stegmayer.

East Broadway, No. 251, five-st'y brick and stone flat; owner, James Nealis; architects, Graul & Frohme.

Third Ave., n e cor. One Hundred and Eleventh St., 2 five-st'y brick flats, tin roofs; cost, $53,000; owners, Mary E. and Chas. W. McTeague, 2027 Third Ave.; architect, Richard R. Davis, 247 West One Hundred and Twenty-fifth St.

Lewis St., No. 94, five-st'y brick flat, tin roof; cost, $23,000; owners, Weil & Mayer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Second Ave., No. 284, five-st'y brick flat, tin roof; cost, $23,000; owners, Weil & Mayer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Henry St., No. 170, five-st'y brick flat, tin roof; cost, $23,000; owner, Bernhard Galewsky, 170 Henry St.; architects, Schneider & Herter, 48 Bible House.

One Hundred and Thirty-fifth St., s s, 150' e Seventh Ave., 2 five-st'y brick flats, tin roofs; cost, $19,000; owner, Richard White, 71 West One Hundred and Twenty-fourth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Norfolk St., s e cor. Stanton St., six-st'y brick flat, tin roof; cost, $35,000; owner, Jos. L. Buttenweiser, 227 East Sixtieth St.; architect, G. F. Pelham, 1481 Broadway.

Ninety-ninth St., s s, 350' w Eighth Ave., five-st'y brick flat, tin roof; cost, $18,000; owner, Wm. Rankin, One Hundred and Sixty-third St. and North River; architect, James W. Cole, 403 West Fifty-first St.

East Fifty-eighth St., No. 237, five-st'y brick flat, tin roof; cost, $20,000; owner, Fred Heerlein, 932 Second Ave.; architect, Bruno W. Berger, 80 Bible House.

One Hundred and Thirtieth St., s s, 60' e Eighth Ave., 2 five-st'y brick flats, tin roofs; cost, $80,000; owner, Herman Livingston, Catskill Station; architect, Geo. Keister, 146 West Thirty-fourth St.

Fifty-first St., n s, 421' w Ninth Ave., 3 five-st'y brick flats, tin roofs; cost, $66,000; owner, Samuel R. Donnellon, 139 Lawrence St.; architects, Neville & Bragge, 250 West One Hundred and Twenty-fifth St.

One Hundred and Seventh St., s s, 100' e Fifth Ave., 3 five-st'y brick flats, tin roofs; cost, $96,000; owner, Luke Connors, 1029 East One Hundred and Thirty-sixth St.; architect, John Hauser, 1441 Third Ave.

Twenty-second St., s s, 120' w Seventh Ave., 2 five-st'y brick flats, tin roofs; cost, $54,000; owners, Lawson & Quackenbush, 45 West One Hundred and Fifth St. and 218 West Thirty-seventh St.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

Avenue C, e s, 48' 6" s Sixth St., 2 five-st'y brick flats, tin roofs; cost, $48,000; owner, Edmond Johnson, Fox St., near Westchester St.; architect, John C. Burne, 1531 Third Ave.

Vandam St., Nos. 57-59, 2 five-st'y brick flats, tin roofs; cost, $40,000; owners, Baum Bros., 1187 Lexington Ave.; architects, Graul & Frohme, 215 Bowery.

Paterson, N. J.—Dr. J. R. Merrill proposes to build a three-st'y frame apartment-house, flat roof, colonial style; cost, $3,000 to $4,500.

HOUSES.

Baltimore, Md.—Lemuel German, 4 three-st'y brick buildings, n s Twenty-fourth St., bet. Maryland Ave. and Morton Alley.

John Coffey, three-st'y brick building, n e cor. Aisquith and Chase Sts.

Killian Hess, 3 three-st'y brick buildings, s s Clifford St., rear 834-836 n s Columbia Ave.

Howard L. Washburn, 15 two-st'y brick buildings, e s Burke St., beg. n e cor. Fairmount Ave.

O. P. Roberts & Bro., 5 two-st'y brick buildings, n s Hudson St., n e cor. Robinson St.; and 5 two-st'y brick buildings, w s Eastern Ave., n w cor. Hudson St.

James Flynn, three-st'y brick building, n e cor. Hamburg and Leadenhall Sts.

Michael J. Roddy, three-st'y brick building, w s Front St., bet. Bath and Centre Sts.

Boston, Mass. — *Wenham St.*, near Weldon St., Ward 23, frame dwell., 24' x 41'; owner, F. P. Broadley; builders, Dame & Warner.

Dewey St., near Blue Hill Ave., Ward 20, three-st'y frame dwell., flat roof, 24' x 40.6'; owner, John Suhl; builder, P. F. Hanlon.

Morris St., No. 90, Ward 1, three-st'y frame dwell., flat roof, 21' x 40'; owner, Ellen Brant; builder, T. S. Eastman.

Everett St., near Cleveland Ave., Ward 25, three-st'y frame dwell., pitch roof, 26' x 38'; owners, Alfred Peterson and J. A. Wallin; builders, Alcock & McKay.

Walter St., near Weld St., Ward 23, frame dwell., 25' x 37'; owner and builder, George A. Bartlett.

Bennington St., No. 646, Ward 1, two-st'y frame dwell., flat roof, 21' x 43'; owner, Wm. G. Roberts; builder, J. G. Martin.

Walden St., near Centre St., Ward 22, three-st'y frame dwell., flat roof, 24' x 38'; owner, Catherine Barry; builder, J. J. Shaw.

Vine St., near Forest St., Ward 20, three-st'y frame dwell., flat roof, 31' x 47'; owner, Rebecca P. Bartlett; builder, C. A. Russell.

Eustis St., No. 272, rear, and *Eustis St.*, 8 three-st'y frame dwells., flat roofs, about 30' x 30'; owner, Louis F. Abbott; builder, C. A. Russell.

Rockland St., Nos. 43-45, Ward 21, 2 three-st'y frame dwells., flat roofs, 24' x 60'; owners, Ellen and Sarah Bumrill; builder, Levi V. Berry.

Commonwealth Ave., near Kenmore St., Ward 22, 8 four-st'y brick dwells., flat roofs, 25' x 60'; owner and builder, Eugene H. Fay.

Harrison Ave., Nos. 915-926, Ward 20, 6 three-st'y brick dwells., flat roofs, 19.8' x 38'; owners and builders, Boston Coöperative Building Co.

Reed St., Nos. 48-62, Ward 20, 8 three-st'y brick dwells., flat roofs, 20' x 38'; owners and builders, Boston Coöperative Building Co.

Newcomb St., Nos. 45-53, Ward 20, 5 three-st'y brick dwells., flat roofs, 20' x 38'; owners and builders, Boston Cooperative Building Co.

East Lenox St., Nos. 43-51, Ward 20, 5 three-st'y brick dwells., flat roofs, 20' x 38'; owners and builders, Boston Cooperative Building Co.

Worthington St., Nos. 30 and 32, Ward 22, 2 three-st'y frame dwells., flat roofs, 23.6' x 61'; owner, Patrick Grenham; builders, Holmes Bros.

Cromwell St., Nos. 8 to 16, Ward 11, 5 three-st'y brick dwells., flat roofs, 20' x 39'; owner and builder, T. R. White.

Brooklyn, N. Y.—*St. Mark's Ave.*, n s, 367' w Underhill Ave., four-st'y brick dwell., tin roof; cost, $6,000; owner, E. Sodustrom, 686 Bergen St.; architect, W. H. Wirth, 358 Seventeenth St.

Berkeley St., Nos. 38-40, 2 three-st'y brick dwells., tin roofs; cost, $21,000 each; owner, J. F. Heinbockle, Fulton and Hicks Sts.; architect, Carl F. Eisenach, 59 Court St.

Thirteenth St., n s, 222' 10½" e Sixth Ave., four-st'y brick dwell., tin roof; cost, $9,000; owner, Miss Mary E. Sloan, 353 Thirteenth St.; architect, W. M. Calder, 420 Eighth St.

Harrison Pl., s s, 150' w Morgan Ave., three-st'y frame dwell, tin roof; cost, $4,000; owner, Fredrick Stern, 288 Bushwick Ave.; architects, H. Vollweiler, 488 Hart St.

Decatur St., n s, 174' 8" e Ralph Ave., 3 two-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Thos. H. Radcliffe, on premises; architect, G. Harvey Madigan, 185 Chauncey St.

Decatur St., n s, 100' e Ralph Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $24,000; owner, Thos. H. Radcliffe, on premises; architect, G. Henry Madigan, 185 Chauncey St.

Macon St., s s, 135' w Lewis Ave., three-st'y brick dwell., tin roof; cost, $7,250; owner and architect, Thos. D. Hyatt, 550 Herkimer St.

Pacific St., n s, 28' e Albany Ave., 4 two-st'y brick dwells., tin roofs; cost, $3,000 each; owner, architect and builder, Wm. V. Young, 209 McDonough St.

Quincy St., n s, 225' e Throop Ave., 2 two-st'y brick dwells., tin roofs; cost, $4,000 each; owner and builder, David S. Beesley, 187 Van Buren St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Kingsland Ave., e s, 198' 9" n Driggs Ave., three-st'y frame dwell. and stable, gravel roof; cost, $4,975; owner, W. Nell, 27 Broome St.; architect, F. Weber, 209 Manhattan Ave.

St. Mark's Ave., n s, 275' w Buffalo Ave., 3 two-st'y frame dwells., tin roofs; cost, $1,600 each; owner, Chas. J. Schriefer, Ralph Ave. and Eastern Parkway; architect, Chas. Infanger, 126 Van Siclen Ave.

Weirfield St., s s, 80' w Central Ave., 10 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, K. C. Monahan, 1095 Halsey St.

Himrod St., s s, 100' w Hamburg Ave., 2 three-st'y frame dwells., tin roofs; cost, $8,000; owners and builders, Dietrich & Reitzenstein, Bushwick Ave. and Varet St.; architects, D. Acker & Son, 752 Broadway.

Stone Ave., w s, 100' w Blake Ave., 2 three-st'y frame dwells., tin roofs; cost, $4,000 each; owner, L. Lippmann, Eastern Parkway, near Rockaway.

Harman St., n s, 150' e Knickerbocker Ave., 4 three-st'y frame dwells., tin roofs; cost, $4,000 each; owner and builder, Theo. H. Werner, 493 Marcy Ave.; architect, Walter B. Wills, Arbuckle Building.

Fifty-fourth St., s s, 80 e Fourth Ave., 2 two-st'y brick dwells., tin roofs; cost, $3,500 each; owner and architect, Alex. Waldron, 294 Forty-eighth St.

Greene Ave., n s, 220' e Sumner Ave., three-st'y brick dwell., tin and slate roof; cost, $15,500; owner, John B. Taylor, 780 Greene Ave.; architect, John A. Sinclair, 236 Halsey St.; builder, H. J. Smith, 256 St. James Pl.

Glenada Pl., e s, 30' s Decatur St., 12 two-and-one-half-st'y brick dwells., tin and slate roofs; cost, $50,000; owners, C. A. & E. S. Belts, 1292 Fulton St.; architect, Magnus Dahlander, 1082 Bedford Ave.

Ridgewood Ave., s s, 20' w Shepherd Ave., 4 two-st'y frame dwells., tin roofs; cost, $1,500 each; owner, Frank E. Hart, Atlantic and Van Siclen Aves.; architects, Danmar & Fischer, Atlantic and Van Siclen Aves.

Fourth Ave., e s, 40' n Forty-seventh St., 2 two-st'y brick dwells., tin roofs; cost, $3,000 each; owner, James S. Carroll, Forty-fifth St., near Third Ave.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

McDonough St., s s, 139' 8" w Patchen Ave., 2 two-st'y brick dwells., tin roofs; cost, $4,800 each; owner and architect, Henry B. Hill, 243 Reid Ave.

Fourth St., n s, 97' 10½" w Eighth Ave., 5 three-st'y brick dwells., tin roofs; cost, $5,000 each; owners, architects and builders, Allan Bros. & Co., Arbuckle Building.

McDonough St., s s, 218' 8" w Patchen Ave., two-and-one-half-st'y brick dwell., tin roof; cost, $6,500; owner and architect, Henry B. Hill, 243 Reid Ave.

Clinton Ave., w s, 250' s Myrtle Ave., 2 three-st'y brick dwells., slate and tin roofs; cost, $45,000; owner, W. H. Beard; architect, Montrose W. Morris, 45 and 47 Exchange Pl.

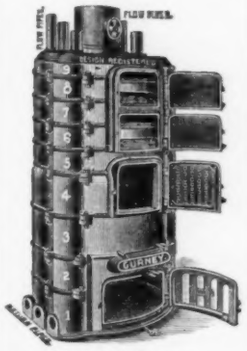
McDonough St., s s, 175' 8" w Patchen Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner and architect, H. B. Hill, 243 Reid Ave.

Macon St., s s, 175' e Nostrand Ave., 3 three-st'y brick dwells., tin roofs; cost, $7,500 each; owner and builder, S. C. Whitehead, 138 Macon St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Putnam Ave., s s, 265' e Bushwick Ave., 2 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner and builder, John Menahan, 25 Bleecker St.; architect, H. W. Billard, 102 Flatbush Ave.

Putnam Ave., s s, 300' n Bushwick Ave., 2 three-st'y frame dwells., tin roofs; cost, $3,000 each; owner and builder, John Menahan, 25 Bleecker St.; architect, H. W. Billard, 102 Flatbush Ave.

Second Pl., s s, 125' e Clinton St., four-st'y brick dwell., tin roof; cost, $8,000; owner, Annie Horgan,



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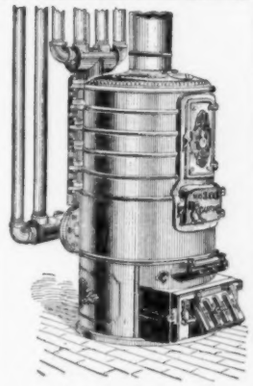
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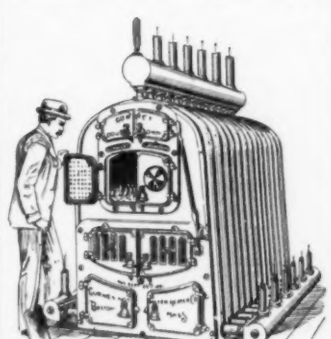
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36 First Pl.; architect and builder, C. K. Horgan, 36 First Pl.

Ralph St., n s, 350′ w Central Ave., three-st'y frame dwell., tin roof; cost, $3,500; owner, E. A. Rudolph St.; architect, Chas. Infanger, 126 Van Sicklen Ave.

Thirty-second St., n s, 300′ w Fifth Ave., 3 three-st'y frame dwells., tin roofs; cost, $2,000 each; owner, Mary J. Lücke; architect and builder, Herman Lücke, 202 Thirty-second St.

Covert St., n s, 105′ e Central Ave., 5 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner and builder, M. Moran, 783 Lexington Ave.; architect, I. D. Reynolds, 363 Fulton St.

Elton St., w s, 300′ n Hageman Ave., 3 two-st'y frame dwells., tin roofs; cost, $1,000 each; owner, the Twenty-sixth Ward Land and Improvement Co., Arbuckle Building; architect, Walter B. Willis, Arbuckle Building.

Decatur St., n s, 203′ e Stuyvesant Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, J. A. Laimmes, 275 Decatur St.; architect, G. Harry Madigan, 185 Chauncey St.

De Kalb Ave., s s, 175′ w Knickerbocker Ave., 5 three-st'y frame dwells., tin roofs; cost, $22,000; owners and builders, A. Amann & Son, 258 Jefferson St.; architects, D. Acker & Son, 752 Broadway.

Morgan Ave., e s, 25′ s Grattan St., 3 three-st'y frame dwells., tin roofs; cost, $3,500 each; owner, architect and builder, L. Ebert, 38 Bogart St.

North Eighth St., s s, 150′ w Bedford Ave., four-st'y brick dwell., tin roof; cost, $8,000; owner and builder, J. F. Fitzgerald, 172 North Eighth St.; architect, A. Herbert, 147 Broadway.

Hamburg Ave., w s, 28′ n Putnam Ave., 4 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, architect and builder, Emil F. Wildner, 1200 Madison St.

Halsey St., n s, 245′ w Marcy Ave., 6 three-st'y brick dwells., slate and tin roofs; cost, $7,000 each; owner and builder, C. C. Russell, 58 Hancock St.; architect, W. H. Burbank, 1000 Fulton St.

Greene Ave., s s, 105′ w Sumner Ave., 6 two-st'y brick dwells., tin roofs; cost, $25,000; owner, Chas. Isbill, 558 Jefferson Ave.; architects, David Acker & Son, 752 Broadway.

Third Ave., n s, 20′ e Seventh Ave., 4 three-st'y brick dwells., tin roofs; cost, $6,000 each; owner and builder, Julius Anderson; architect, Lewis Anderson.

Douglas St., n s, 175′ e Third Ave., four-st'y brick dwell., tin roof; cost, $6,000; owner, Dennis Norton, on premises; architect, M. F. Walsh, 74 Rockaway Ave.

Grattan St., s s, 175′ e Morgan Ave., 4 three-st'y frame dwells., tin roofs; cost, $4,000 each; owners, Mrs. L. Erck & Co., 168 Harrison Pl.; architect, Henry Loeffler, Jr.

Sutter Ave., s w cor. Powell St., 8 three-st'y frame dwells., tin roofs; cost, $2,500 each; owners, Wm. Schechtel & Co., Stone and Blake Aves.

De Kalb Ave., s s, 100′ e Hamburg Ave., 3 three-st'y frame dwells., tin roofs; cost, $4,500 each; owner, architect and builder, Francis Jezek, 1116 Myrtle Ave.

Philadelphia, Pa.—*Rittenhouse St.*, s w cor. Seventeenth St., four-st'y brick and stone dwell; contractors, Wm. Steele & Son, 506 Walnut St.

Jackson St., s s, bet. Seventh and Eighth Sts., 18 two-st'y dwells.; owner, James Lilley, 1222 Snyder Ave.

Haverford and Lancaster Aves., three-st'y stone and brick dwell., green slate roof; cost, abt. $10,000; owner, W. Moore Walton, Esq.; architect, T. Melon Rogers, 1122 Walnut St.

Moore St., n s, bet. Seventeenth and Eighteenth Sts., 17 two-and-three-st'y brick dwells.: owner, John C. Gallagher, 1830 Moore St.; contractor, John Pettigrew, 726 South Seventeenth St.

McKean and Broad Sts., 38 two-and-three-st'y press brick dwells.; contractor, A. Mowbray, 2801 Hummel St.

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Westminster St., s s, w Markoe St., 13 two-st'y brick dwells.; owner, Harry Weekoy, 1047 Belmont Ave.

East Montgomery Ave., No. 1127, two-st'y dwell.; builders, Robert Beatty & Son, 2321 Townsend St.

Twelfth St., e s, bet. Somerset and Cambria Sts., 2 three-st'y brick dwells.; owner, Daniel Hertz, 2725 North Twelfth St.

Rush St., n s, w Carlisle St., 5 two-st'y brick dwells.; owner, J. C. Miller, 1525 Clearfield St.

Clearfield St., s s, e Livingston St., 4 three-st'y brick dwells.; builder, Chas. Judge, 314 Richmond St.

Lambert St., e s, s Victoria St., two-st'y dwell.; builder, Frederice Breininger, 4545 Salmon St.

Orkney St., n w cor. Cambria St., three-st'y brick dwell.; builder, William D. Hudson, 2517 North Sixth St.

Comby St., s s, e Cottage St., two-st'y brick dwell.; owner, Chas. W. Gibson, 5826 Torresdale St.

Moore St., s s, bet. Eighteenth and Nineteenth Sts., 4 two-st'y dwells.; owner, John Gorman, 1818 Moore St.

Chadwick St., w s, n Mifflin St., 13 two-st'y brick dwells.; owner, John Gorman, 1818 Moore St.

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Taylor St., n and s s, bet. Twenty-third and Twenty-fourth Sts., 50 two-st'y brick and stone dwells.: owner, John M. R. Moore, 1525 South Broad St.

Gaul St., w s, s Clearfield St., 4 two-st'y brick dwells.; owner, W. J. Scott, 1420 South Forty-seventh St.

D St., Nos. 3037-3039, 2 two-st'y brick dwells.; builder, Christian Eckert, 3043 D St.

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South Nineteenth St., No. 1834, two-st'y brick dwell.; builder, C. F. Gallagher, 1832 South Nineteenth St.

Herman St., s s, bet. Twenty-seventh and Twenty-eighth Sts., two-st'y brick dwell.; builder, John G. Ruff, 619 Cherry St.

Lee St., e s, s Tioga St., 9 two-st'y brick dwells.; owner, E. J. Develin, 1335 North Twenty-second St.

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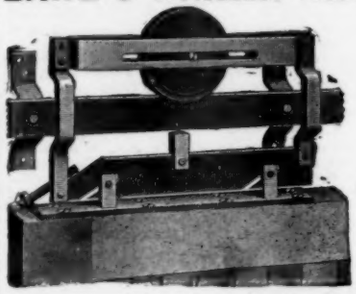

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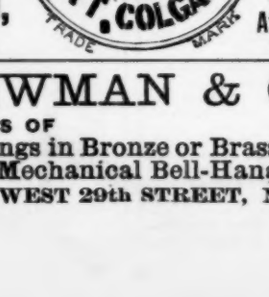

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LUMBER.—₱ M.	*(Wholesale Prices.)*		*(Prices to Builders and Contractors.)*	
Boards: *(Ordinary dimensions.)*				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ca 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 60	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	13 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 75 @ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ₱ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 00	1 50 @ 00	*Not sold.*	
Redwood ₱ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40
Cedar split ₱ M.	@	@	*Not sold.*	{24" 8 @ 21
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	{20" 35 @ 14
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ₱ ft.	4½ @ 5½	Piles 6c. ₱ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P. 10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods; ₱ M. *(First Qual. [Kiln-dried.)*				
Ash	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @ 120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@ 180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@ 350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ₱ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @ 150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ₱ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 45 00

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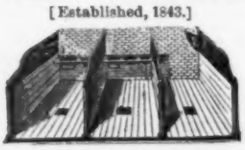

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	New York. (Wholesale Prices.)	Boston. (Prices to Builders and Contractors.)	Chicago.	Philadelphia.
BRICK.—₱ M.				In Yard.
Common: *Cargo afloat.*				
Pale	1 50 @ 2 00	Eastern }	Building Brick	Sq. Hard @ 9 00
Jersey	4 00 @ 5 25	9 00 @ 10 00 }	@ 6 50	" @ 7 00
Long Island	5 00 @ 5 50	Bay State Hard		Salmon @ 5 00
Up River	5 25 @ 5 50	7 00 @ 8 00		Sq. " @ 9 00
Haverstraw Bay 2d	5 50 @ 5 75	Domestic Com.	Indiana Pressed	Light Stretchers
" 1st	@ 6 00	9 50 @ 10 00	14 00 @ 20 00	@ 10 00
Hollow	@ 13 00	Domestic Face	St. Louis Fronts	Medium "
Fronts:		20 00 @ 22 00	@ 27 00	@ 12 00
Croton, Brown	@ 13 00	Philadelphia }		Red "
" dark	@ 14 00	40 00 @ 45 00 }		@ 13 00
" red	@ 14 00	Phila. mould }		Dark "
Chicago pressed (Anderson)		50 00 @ 80 00 }	15 00 @ 27 00	@ 13 00
" Moulded			65 00 @ 350 00	Pressed
Baltimore	37 00 @ 41 00	Anderson	@ 55 00	18 00 @ 20 00
Philadelphia	23 00 @ 24 00	14 00 @ 32 00	45 00 @ 50 00	Best Paving
Trenton	22 00 @ 23 00		45 00 @	@ 14 00
Milwaukee			25 00 @	Second "
Moulded:			60 00 @ 100 00	@ 13 00
Glens Falls Red Pressed	@ 37 00		30 @	Third "
" " Buff "	@ 30 00		35 @	@ 12 00
" " Moulded Red & Buff	45 00 @ 70 00		55 00 @ 65 00	
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @100 00		@ 100 00	Dom. { @ 65
Enamelled (edge and end)	90 00 @115 00		@ 120 00	@ 85
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	1 75 @ 2 00	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk		St. John 1 00	55 @	White Mash
Wisconsin Lime			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 85	@ 1 05	*Not sold.*	1 00 @ 1 00
Rockland and Rockport, finish	@ 95	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 82	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush.*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 4 5

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Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	}
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	} 55 @ 1 00
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	}
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	325 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am ... ℔ M	@	@	*Not Sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	42 @ 43	57 @ 60	@ 60
" " boiled (℔ gal.)	58 @ 65	45 @ 46	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 35	51 @ 51	@ 44
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 40	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" ..... (℔ doz. pairs.)				2 90 (all kinds.)
Plain	@ 1 00	@ 1 20	@ 90	@ 90
Japanned	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Acorn, Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Ball Tip, Boston Finish ... (℔ pair.)	@ 65	@ 50	*Not Sold.*	48 @ 50
Bronze metal	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Brass (for cupboards.)	@ 10	@ 10	@ 12	@ 1 00
Ebony	@	@	@	@ 35
Apple wood	@	@	@	37 @ 1 00
Knobs: (℔ *set.*)				
Mineral, best	@ 8	@ 8	8 @ 10	@ 08
Lava	@ 50	@ 75	65 @ 80	*Not Sold.*
Hemacite	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Porcelain	@ 30	@ 10	25 @ 30	@ 25
Glass, solid	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, silvered	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Bronze metal	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Brass	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Solder:	@	@	13 @ 16	13½ @ 16
Sheet Lead	@	@ 7½	@ 7	@ 6½
Lead Pipe	@	@ 6½	@ 6½	6 @ 6
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2,8-10

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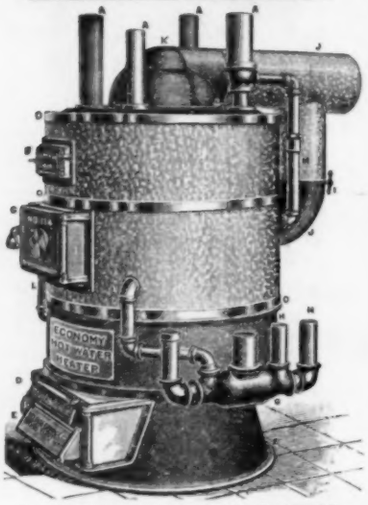

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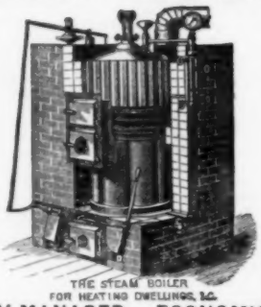

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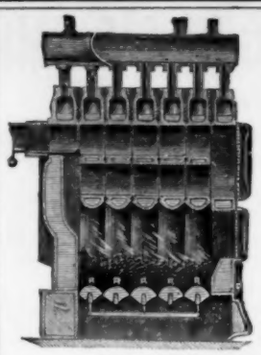

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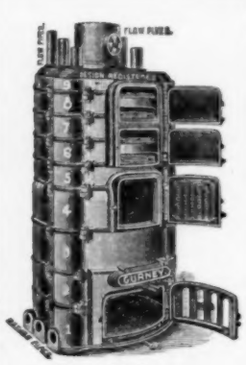

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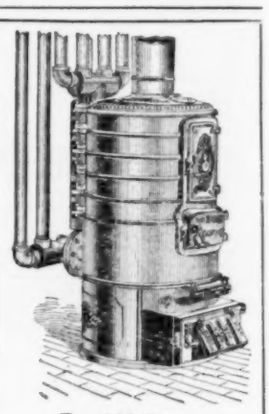

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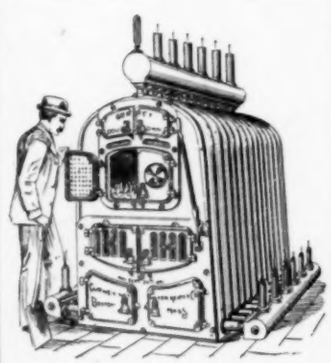

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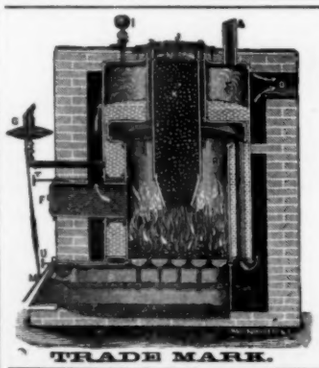

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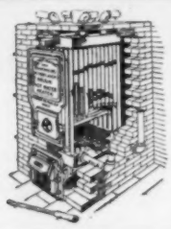

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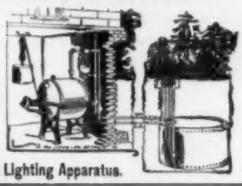

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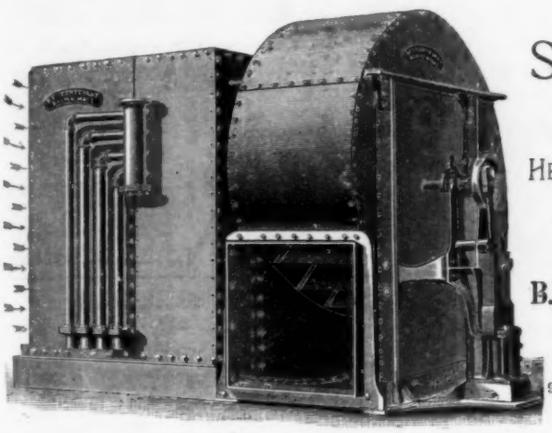

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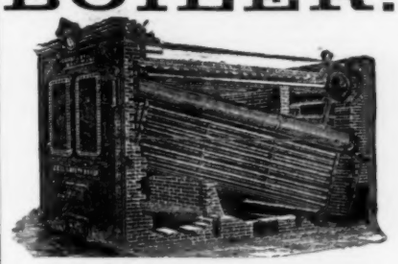

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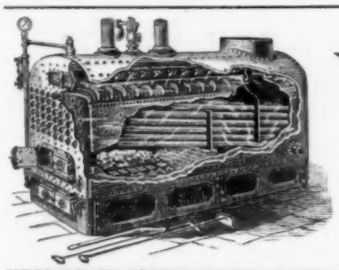

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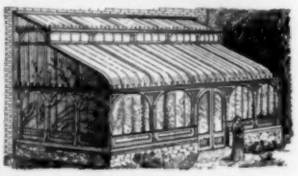

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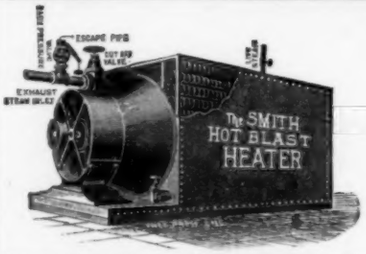

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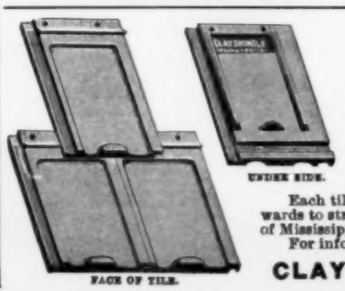

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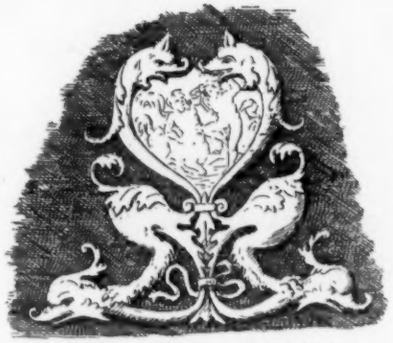

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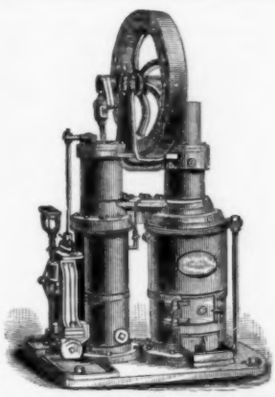

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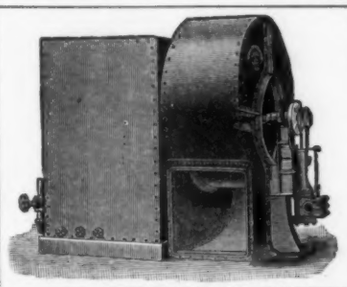

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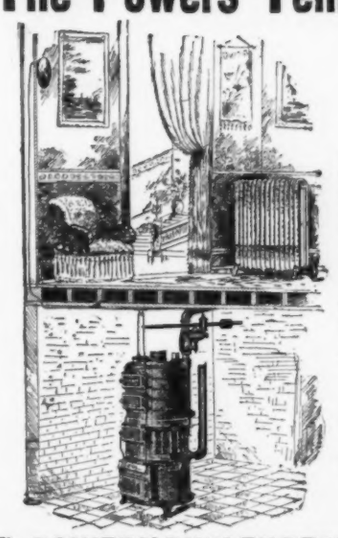

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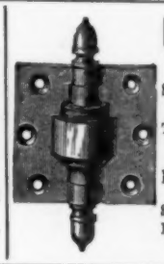

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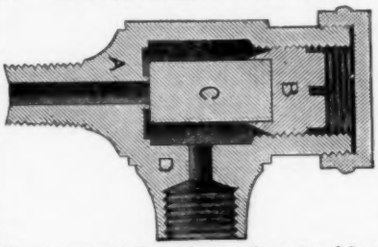

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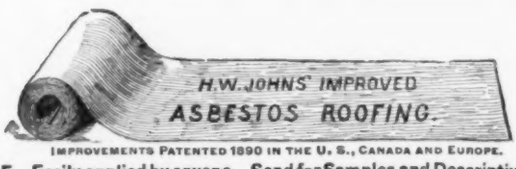

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474,196. Pipe-Plug. — Daniel A. Streeter, Waterbury, Conn.

474,205. Drainage-Trap. — Thomas E. Avery, Danbury, Conn.

474,217. Water-Closet Reservoir.—William S. Cooper, Philadelphia, Pa.

474,239. Adjustable Fire Guard and Screen. —Nat. B. Gibson, Thorp's Spring, Tex.

474,255. Scaffold.—Henry Knippe, Poland, Ind.

474,258. Blind-Stop. — John A. Messina, Key West, Fla.

474,259. Window-Blind. — Harvey Murdock, Brooklyn, N. Y.

474,263. Gravity-Latch.—Joel R. Palmer, Salisbury, Mo.

474,268. Door-Spring.—William H. Sidenstricker, Moberly, Mo.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING JUNE 3, 1892.

From Antwerp. — Steamer "*Rhynland*," 1,000 barrels cement, Bank of British North America; 1,000 casks do., 2,450 barrels do., order.

From Bremen. — Steamer "*Dresden*," 1,008 casks Portland cement, 1,080 barrels do., order. Steamer "*Viola*," 2,000 barrels Portland cement, order; 3,500 cakes asphaltum, Baetjer & Meyerstein.

From Dantzic.—Bark "*Marie*," 850 barrels cement, order.

From Glasgow. — Steamer "*Siberian*," 9 cases granite, Davidson & Sons; 32 do., 15 blocks stone, order.

From Hamburg. — Steamer "*Dania*," 900 barrels cement, order. Steamer "*Abendana*," 1,680 casks cement, E. Thiele; 560 do., Gabriel & Schall. Steamer "*Gellert*," 560 barrels cement, E. Thiele; 750 do., order.

From Hull. — Steamer "*Martello*," 500 tons cliff stone, Sanderson & Son.

From Havre. — Steamer "*La Champagne*," 4 cases marble, Thomas.

From Liverpool. — Steamer "*Bothnia*," 319 casks bricks, Meeker & Carter. Steamer "*Teutonic*," 20 casks cement, Pion, Forwood & Co. Steamer "*Nevada*," 248 casks bricks, Howard Fleming; 27 packages granite, Jones Bros. Steamer "*City of Berlin*," 97 casks bricks, Meeker & Carter; 35 logs hardwood, 1 block stone, order.

From London. — Steamer "*Persian Monarch*," 8 logs oak, J. Copcutt & Co. Steamer "*England*," 3,400 casks cement, 30 logs wood, order. Steamer "*America*," 600 casks cement, Chas. J. Stevens; 500 do., Bank of British North America; 1,000 do., 1,000 do. Portland cement, 404 logs wood, order.

From Oran. — Bark "*Emilia*," 3 blocks marble, Stevenson & Blun.

From Rotterdam. — Steamer "*Didam*," 1,000 casks cement, E. Thiele; 15 do., C. Bischoff & Co. Steamer "*Amsterdam*," 2,000 casks cement, E. Thiele. Steamer "*Werkendam*," 2,100 casks cement, E. Thiele.

From Stettin. — Steamer "*Norge*," 2,222 casks cement, E. A. Holmberg. Steamer "*Polaria*," 1,000 barrels Portland cement, 23 fireproof retorts, 7,291 fireproof bricks, H. Marquardt & Co.; 3,000 barrels cement, 2,000 barrels Portland cement, order.

From Truxillo.—Brig "*Carib*," 11 logs wood, Eggus & Heinlein.

From Vera Cruz. — Steamer "*Yumuri*," 47 blocks marble, G. L. Luedus; 178 do., E. Zarang & Co.

From Windsor, N. S. — Schooner "*Grecian Bend*," 263 tons plaster, J. F. Whitney & Co. Schooner "*Wentworth*," 575 tons lump plaster, J. F. Whitney & Co. Schooner "*Grace Webster*," 435 tons rock plaster, C. W. Bertaux & Co. Schooner "*Egyptian King*," 1,153 tons plaster, J. F. Whitney & Co.

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Frost & Adams.
Gorton & Lidgerwood.
Okonite Co.
Wm. Powell & Co.
J. B. Prescott & Son.
Samson Cordage Works.
J. J. Schillinger.
Stebbins Mfg. Co.
N. & G. Taylor Co.
Thorn Shingle and Ornament Co.
Wehn Pavement Co,
Wood Mosaic Co.

See the first issue of the month for the following advertisements.

Adamant Mfg. Co.
Atlantic W. Lead & Lin. Oil Co.
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Bureau Bros.
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I. P. Frink.
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James H. Rush & Co.
J. B. Shannon & Sons.
E. Thiele.
A. B. & W. T. Westervelt.

IMPORTS OF BUILDING MATERIALS, Etc.

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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Camden, N. J. — *Chestnut St., No.* 1003, alterations to frame dwell. for John C. Richardson.

West Jersey R. R., cor. Kaighn Ave., one-st'y addition to oil-cloth factory; owners, Farr & Bailey, on premises.

Chicago, Ill. — McCormick & Fowles, two-st'y addition, 212-220 Market St.; cost, $25,000.

John Hein, three-st'y addition, 667 North Western Ave.; cost, $4,000.

W. C. Bunge, four-st'y addition to warehouse, 71-75 North Ann St.; cost, $12,000.

Richard Pennington, three-st'y addition, 35-39 Michigan Ave.; cost, $6,000.

John McShane, seven-st'y rear addition, 126-134 Van Buren St.; cost, $25,000.

John Koch, two-st'y addition, 613 Racine Ave.; cost, $22,000.

L. D. Giddings, alteration, 155-157 Washington St.; cost, $10,000.

Chapman Bros., one-st'y addition, 156-164 Laflin St.; cost, $10,000.

R. C. Witmar, one-st'y addition, 4828 Kimbark Ave.; cost, $4,000.

A. Smith, one-st'y addition, 449 Orchard St.; cost, $6,000.

St. Michael's Polish Catholic Church, one-st'y

(*Continued on page* xv.)

FACTS ABOUT

HARD OIL FINISH.

CARE IN SPECIFYING.

There is certainly no feature about a house in which the Owner takes more lasting pleasure and satisfaction than in a finely finished interior. This of course pre-supposes the use of the right finishing material properly applied. On the other hand, if an inappropriate Varnish has been used the finish on the wood-work will soon proclaim the fact; and instead of being a source of pleasure will become one of mortification; and a continual reminder to the vexed owner of incompetence somewhere. He will in all probability blame the Varnish some—and the Finisher who applied it no less; but inasmuch as the latter was supposed to have been guided by the specifications, the Architect who wrote them will also come under the ban of the owner's displeasure.

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BUILDING INTELLIGENCE.

addition to church and school, Eighty-third St. and Ontario Ave.; cost, $20,000.

New York, N. Y.—*Eighth Ave. and Bleecker St.*, seven-st'y fireproof flat altered into a hotel; cost, $40,000; owner, Wm. McElroy; architects, French, Dixon & De Saldern.

Philadelphia, Pa.—*Germantown Ave., No.* 3209, two-st'y stone addition to club-house; contractor, T. C. Trafford, 2332 North Broad St.

Race St., bet. Eighteenth and Nineteenth Sts., alterations and additions to the Wills Eye Hospital; architect, James A. Windrim, 132 South Third St.

Chestnut St., s w cor. Fourth St., two-st'y addition to the Wood Building; architect, Addison Hutton, 400 Chestnut St.

Belmont Ave., n e cor. Mantua Ave., alterations and additions to two dwells.; builder, Harry Weekey, 1047 Belmont Ave.

APARTMENT-HOUSES.

Brooklyn, N. Y.—*Forty-eighth St.*, n s, 260′ e Third Ave., three-st'y frame flat, tin roof; cost, $3,500; owner, Mrs. Mary Gourmal, 180 Forty-ninth St.; architect, J. G. Michel, 1137 Third Ave.

Chicago, Ill.—Charles Christian, 2 four-st'y flats, 4152-4154 Berkeley Ave.; cost, $11,000.

C. B. Watt, 2 three-st'y flats, 302 Forty-first St.; cost, $9,500.

Louis Kein, two-st'y flats, 508 Winchester Ave.; cost, $4,000.

Samuel Zeither, two-st'y flats, 6054 Dearborn St.; cost, $5,000.

George Ernst, three-st'y flats, 5259 Wentworth Ave.; cost, $11,000.

E. J. Bowen & Bro., three-st'y flats, 1714 Fulton St.; cost, $5,000.

Charles Benke, two-st'y flats, 767 Elk Grove Ave.; cost, $4,000.

William Jones, three-st'y flats, 23 Rosebud St.; cost, $4,500.

Annie Rubinke, three-st'y flats, 767 Davis St.; cost, $4,000.

CHURCHES.

Brooklyn, N. Y.—*Arlington Ave.*, s e cor. Elton St., one-st'y brick church, shingle roof; cost, $9,000; owners, Trustees of Arlington Ave. Presbyterian Church, A. B. Prichard, President, 56 Van Siclen Ave.; architect, Archibald McLean, 134 Ridgewood Ave.

Englewood, N. J.—Saint Paul's Episcopal Society, stone church; cost, about $40,000.

Fargo, N. D.—Stone church for Gethsemane Episcopal Church; cost, $15,000; architects, Hancock Bros.

New York, N. Y.—*West End Ave.*, s w cor. Ninety-first St., church; owners, Fourth Presbyterian Church.

Ninety-fifth St., s s, 100′ e Third Ave., chapel; cost, $30,000; owner, Protestant Episcopal City Mission.

Rockville, Md.—The Methodists contemplate the building of an edifice at West End Park, to cost $30,000.

FACTORIES.

Boston, Mass.—*Border St., rear*, nearly opp. White St., Ward 1, one-st'y frame factory, pitch roof, 25′ x 40′; owners, Kittson Brown Process Co.

New York, N. Y.—*Ridge St., No.* 32, six-st'y factory; cost, $18,000; owner, Jacob Kottek; architect, F. Ebeling.

Philadelphia, Pa.—*Cherry St.*, s s, bet. Fifth and Sixth Sts., seven-st'y brick factory; contractors, George F. Payne & Co., 401 South Juniper St.

HOTELS.

New York, N. Y.—*Eighth Ave.*, s w cor. Eighty-second St., ten-st'y brick hotel, tin roof; cost, $350,000; owner, Alva S. Walker, 1 West Eighty-first St.; architect, Theo. E. Thomson, 247 West One Hundred and Twenty-fifth St.

HOUSES.

Baltimore, Md.—George E. Warfield, 8 three-st'y brick buildings, w s McCulloh St., bet. Presstman and Bloom Sts.

C. C. Waring, 5 two-st'y brick buildings, e s Division St.; and 4 two-st'y brick buildings, w s Etting St., bet. Gold and Baker Sts.

Jno. F. Carter, 4 three-st'y brick buildings, e s Myrtle Ave.; and 4 two-st'y brick buildings, w s Shields Alley, bet. Greenwillow and Hoffman Sts.

Dr. N. L. Dashields, 2 three-st'y brick buildings, s e cor. Gold and McCulloh Sts. and adjoining.

Hy. Ladensack, three-st'y brick building, s s Baltimore St., bet Front and High Sts.

Frank Koenig, three-st'y brick building, n s Thames St., bet. Broadway and Ann Sts.

L. German, 8 three-st'y brick buildings, beg. n e cor. Maryland Ave. and Twenty-fourth St.

E. Parlett, 3 two-st'y brick buildings, s s Birkhead St., bet. Patapsco and Light Sts.

Annie Clayton, three-st'y brick building, n w cor. Spring and May Sts.

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Jas. Reany, 8 three-st'y brick buildings, n s Baltimore St., bet. High and Temple Sts.

Wm. Suess, 2 three-st'y brick buildings, n e cor. Baltimore and Front Sts., and adjoining.

Louise Fisher, three-st'y brick building, n s Baltimore St., e Front St.

Theo. H. Ladensack, 2 three-st'y brick buildings, n s Baltimore St., e Front St.

Chas. Gunther, 2 three-st'y brick buildings, n s Baltimore St., e Front St.

Carl Lansberger, three-st'y brick building, w s Wolfe St., bet. Canton Ave. and Aliceanna St.

Boston, Mass.—*Dean Ave.*, near Howard Ave., Ward 20, 2 three-st'y frame dwells., flat roof, 21′ x 32′; owner and builder, F. R. Perkins.

Hartford St., Nos. 32 and 36, Ward 20, two frame dwells., flat roofs, 21′ x 46′; owner and builder, A. P. Gifford.

West Cottage St., No. 3, Ward 20, three-st'y frame dwell., flat roof, 34.6′ x 58′; owner, J. A. O'Malley; builder, M. C. Brownell.

Clive St., near Boylston St., Ward 23, frame dwell., 27′ x 49′; owner, Katherine Long; builder, G. Merz.

Cross St., near Kittredge St., Ward 23, frame dwell., 22′ x 38.8′; owner, James Hunter; builder, J. Landrey.

Billings St., near Centre St., Ward 23, frame dwell., 20′ x 26′; owner and builder, Andrew Cassidy.

Amory St., cor. Dimmock St., cor. unnamed St., Ward 23, 2 three-st'y frame dwells., flat roofs, 21′ x 48′; owner, Jacob Bachner; builder, J. Luippold.

Bragdon St., near Amory St., Ward 23, 4 three-st'y frame dwells., flat roofs, 23′ x 52.6′; owner, Mabelle F. Kurrus; builder, H. D. O. Kurrus.

Atherton St., near Amory St., Ward 23, frame dwell., 24′ x 43.4′; owner, Adelaine Bingham; builder, J. B. McKay.

Riverdale St., near Western Ave., Ward 25, three-st'y frame dwell., flat roof, 24′ x 42′; owner, John Paff; builder, John Fuchs.

West Eagle St., No. 91, Ward 1, three-st'y frame dwell., flat roof, 21.6′ x 45′; owner, Emma J. Sanderson; builder, C. H. Bates.

Bennington St., No. 236, Ward 1, three-st'y frame dwell., flat roof, 20.6′ x 52′; owner, Catherine Roche; builder, W. Goodwin.

Brewer St., opp. Thomas St., Ward 23, two-st'y frame dwell., hip roof, 39′ x 46′; owner, W. E. Brigham; builder, A. A. Ayers.

Tremlett St., near Hooper St., Ward 24, two-st'y frame dwell., hip roof, 32′ x 42′; owner, Jacob Brodie; builder, J. R. Oliver.

Argyle Road, near Chiswick Road, Ward 25, frame dwell., 35.10′ x 51.8′; owner, M. H. Phipps; builder, J. H. Keilar.

Bozeman, Mont.—Brick and stone dwell. for E. B. Martin; cost, $15,000; contract let; architects, Hancock Bros., Fargo, N. D.

Brookline, Mass.—*Winthrop Road*, frame dwell., 39′ x 40.2′; owner, Mrs. J. F. Smith; builder, Levi T. Lyons; architect, O. F. Smith, Boston.

Brooklyn, N. Y.—*Grace St.*, n s, 100′ w Evergreen Ave., 4 three-st'y frame dwells., tin roofs; cost, $3,000; owner, Chas. Lindeman, 1001 Bushwick Ave.

Eleventh St., n s, 20′ w Eighth Ave., four-st'y brick dwell., tin roof; cost, $6,000; owner, George Keller, 571 Sixth Ave.; architect, W. H. Wirth, 358 Seventeenth St.

Madison St., s s, 205′ e Bushwick Ave., 2 two st'y brick dwells., tin roofs; cost, $4,000 each; owner, Richard Fritz, 1024 Madison St.; architect, Th. Engelhardt, 905 Broadway.

Ligner St., s s, 184′ e Henry St., 2 four-st'y brick dwells., tin roofs; cost, $15,500; owner, F. W. Witte, on premises; architect and builder, C. M. Detlefsen, 164 Canover St.

Pacific St., s s, 260′ e Franklin Ave., 2 three-st'y brick dwells., tin roofs; cost, $7,000 each; owner, Mrs. Chas. Jones, 1144 Pacific St.; architect, F. B. Langston, 1239 Bedford Ave.

Van Voorhis St., n s, 225′ e Central Ave., two-st'y frame dwell., shingle roof; cost, $3,000; owner, Carl Martens, 602 Hamburg Ave.

Quincy St., n s, 265′ e Throop Ave., 3 two-st'y brick dwells., tin roofs; cost, $4,000 each; owner and builder, David S. Beasly, 187 Van Buren St.; architects, J. D. Reynolds & Son, 363 Fulton St.

Chicago, Ill.—C. J. Carlsen & Co., three cottages, 5731-5735 Emerald Ave.; cost, $3,000.

Potter Palmer, 2 four-st'y dwells., 32 Bellevue Pl.; cost, $16,000.

John B. Drake, 2 three-st'y dwells., 2838 2840 Indiana Ave.; cost, $20,000.

Backart & Towfel, 2 two-st'y dwells., 1512-1516 Oakdale Ave.; cost, $16,000.

J. F. Dixon, two-st'y dwell., 4585 Oakenwald Ave.; cost, $6,000.

Thomas Foster, 2 three-st'y dwells., 213-215 Forty-eighth St.; cost, $25,000.

D. L. Wickersham, two-st'y dwell., Irving Park; cost, $5,000.

Georgina Fossitt, three-st'y dwell., 1831-1835 Armour Ave.; cost, $30,000.

S. A. Jarrell, two-st'y dwell., 6651-6653 Harvey St.; cost, $4,500.

Philip Binz, two-st'y dwell., 813 West Congress St.; cost, $4,500.

C. F. Hohnan, three-st'y dwell., 1270 Washington Boulevard; cost, $6,500.

Geon L. Cave, three-st'y dwell., Fifty-fourth St. and Greenwood Ave.; cost, $20,000.

E. S. Phelps, 2 two-st'y dwells., 6613-6615 Ellis Ave.; cost, $9,000.

Fargo, N. D.—Frame dwell. for Judge W. B. McConnell; cost, $8,000; contract not let; architects, Hancock Bros.

Hull, Mass.—Frame Swiss chalet, 29′ x 30′; owner, George N. Faught; builder, Billings Merritt of North Scituate; architect, E. A. P. Newcomb, Boston.

Jamaica Plain, Mass.—*Green St.*, two double frame dwells., each 38′ x 46′; cost, abt. $10,000; owner, Mrs. P. R. Sturtevant; builder, Joseph P. Shaw; architects, H. M. Stephenson and Geo. A. Ballantine, Boston.

Lexington, Mass.—Frame dwell., 36′ x 48′, with L, 18′ x 30′; owner, D. G. Tyler; contract to be let; architect, W. Whitney Lewis, Boston.

Minneapolis, Minn.—S. T. McKnight, two-st'y brown and veneer dwell., 2200 Park Ave., s; cost, $30,000.

Newton, Mass.—*Hunnewell Ave.*, frame dwell., 33′ x 40′; cost, abt. $5,000; owner, S. R. Smith; builder, John Sherman; architects, H. M. Stephenson and Geo. A. Ballantine, Boston.

New York, N. Y.—*Seventy-fifth St.*, s s, 177′ w West End Ave., five-st'y brick dwell., tin roof; cost, $50,000; owner, Edward C. Homans, 12 East Fifty-fifth St.; architect, Robert H. Robertson, 121 East Twenty-third St.

Sixtieth St., n s, 120′ w Madison Ave., 4 five-st'y brick dwells., tin roofs; cost, $170,000; owner, E. W. Candee, 113 West Fifty-seventh St.; architect, John H. Duncan, 21 West Twenty-fourth St.

Sixty-ninth St., s s, 110′ e Third Ave., 5 three-st'y brick dwells., tin roofs; cost, $47,500; owner, Wm. C. Schermerhorn, 49 West Twenty-third St.; architect, H. J. Hardenburgh, 10 West Thirty-third St.

Ninety-second St., s s, 150′ e Amsterdam Ave., 8 three-st'y brick dwells., tin roofs; cost, $144,000; owner, James Brown, 164 West Ninety-second St.; architect, George F. Pelham, 1481 Broadway.

Seventieth St., s s, 175′ w Central Park West, 4 four-st'y brick dwells., tin roofs; cost, $80,000; owner, Bernard Havanagh, 467 West One Hundred and Forty-seventh St.; architects, Thom & Wilson, 1267 Broadway.

Sixty-first St., No. 2, s e cor. Fifth Ave., four-st'y brick dwell., mansard, frame and slate roof; cost, $240,000; owner, Mrs. Louisa M. Gerry, 8 East Forty-eighth St.; architect, Richard M. Hunt, 154 Nassau St.

One Hundred and Forty-third St., n s, 100′ e Tenth Ave., 2 three-st'y brick dwells., tin roofs; cost, $28,000; owner, George Ruddell, 102 West One Hundred and Thirty-first St.; architect, Henry Anderson, 1180 Broadway.

Eightieth St., n s, 125′ w Columbus Ave., 11 four-st'y brick dwells., mansard, tin and tile roof; cost, $132,000; owners, Giblin & Taylor, 143 West Eightieth St., 45 West Ninetieth St.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

Eighty-first St., s s, 132′ 2″ w Columbus Ave., 3 four-st'y brick dwells., tin roofs; cost, $69,000; owners, Giblin & Taylor, 143 West Eightieth St., 45 West Ninetieth St.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

One Hundred and Thirteenth St., s s, 250′ e Lenox Ave., 6 three-st'y brick dwells., tin roofs; cost, $78,000; owner, William Picken, 116 East Eighty-second St.; architect, John Hauser, 1441 Third Ave.

Seventy-first St., s s, 115′ w Amsterdam Ave., 3 three-st'y brick dwells., tin roofs; cost, $42,000; owner, James Lamb, 1220 Garden St., Hoboken, N. J.; architects, French Dixon & De Salden, Broadway and Fifty-seventh St.

One Hundred and Fifty-fourth St., s s, 151′ 10″ w St. Nicholas Ave., 4 three-st'y brick dwells., tin roofs; cost, $32,000; owners, J. & C. Watkins, 1821 Madison Ave. and 154 East One Hundred and Fifth St.; architect, Walter H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

East Sixty-ninth St., Nos. 8-10, four-st'y brick dwell., mansard copper and tin roof; cost, $125,500; owner, Mrs. Anna S. Colby, 3 East Sixty-ninth St.; architects, Peabody & Stearns, Boston, Mass.

West End Ave., s e cor. One Hundred and Second St., 4 three-st'y brick dwells., tin roofs; cost, $73,500; owner, E. W. Schneider, *et al.*, 354 East One Hundred and Nineteenth St.; architects, Schneider & Herter, 48 Bible House.

Eighty-eighth St., n s, 125′ e Columbus Ave., sixteen stone front dwells.; cost, $400,000; owner, John Casey; architects, Neville & Bagge.

One Hundred and Thirteenth St., n s, 325′ e Lenox Ave., seven brownstone front dwells.; cost, $91,000; owner, Henry Gerken; architect, John Hauser.

Ninety-first St., s s, 250′ w Columbus Ave., 7 three-st'y brick and stone dwells.; owners, John Livingstone & Sons; architect, G. F. Pelham.

Somerville, Mass.—*Wheatland St.*, frame dwell., 18′ x 26′; owner and builder, R. A. Pitcher.

Richardson St., cor. Henderson St., frame dwell., 22′ x 26′; owner, Roderick C. McKnabb; builder, Peter L. Leroux.

Richardson St., cor. Lawrence St., frame dwell., 22′ x 26′; owner, Roderick C. McKnabb; builder, Peter L. Leroux.

Josephine Ave., three frame dwells., 26′ x 42′; owner and builder, J. Miller.

Craigie St., near Summer St., frame dwell., 24′ x 42′; owner, C. H. Hopkins; builder, Mark Leighton.

Vine St., five frame dwells., each 22′ x 28′; owner and builder, Harvey Taylor.

Roger Ave., three frame dwells., 26′ x 42′; owner and builder, J. Miller.

Campbell Park, frame dwell., 23′ x 28′; owners and builders, Hudson & Lewis.

(*Continued on page* xix.)

The Red Sandstone from the quarries of the Potsdam Red Sandstone Company, of Potsdam, N. Y., is

EXCELLED BY NO STONE IN BEAUTY OF COLOR OR EFFECT.

Friends of beautiful and enduring architecture should investigate the claims of this material.

The following by Dr. J. S. Newberry, Professor of Geology in Columbia College School of Mines, and one of the highest living authorities on subjects of this character, refers to stone from the quarries of this Company:

"The element of beauty is no less important in a building stone than strength and durability. In these three qualities this stone is certainly unrivalled. It is stronger than any granite and much more durable, since granites are composed of quartz, feldspar, mica and hornblende, all of which, except the quartz, are liable to decomposition on exposure. From this danger this stone is free; composed as it is practically of pure silica, it will bid defiance to the tooth of time, and had the obelisk now standing in our Central Park been composed of such a dense, homogeneous sandstone as Potsdam sandstone, it would to-day be as perfect as when erected at Tanis, 1500 B. C."

Thoroughly developed quarries and a plant of modern power machinery insure prompt fulfilment of contracts.

The following tests were made at the laboratory of Rutger's College Scientific School, for Dr. Smock, who was then New York State Economic Geologist, by Dr. Francis A. Wilber, Professor of Analytical Chemistry:

A large number of stones were under investigation at the same time.

Subjected to the severest freezing and thawing tests, Potsdam sandstone was absolutely unchanged.

Submitted to the continued action of dilute sulphuric acid, Potsdam sandstone lost less in weight than any other stone, viz. two one-hundredths of one per cent, some stones losing over three hundred times as much (over six per cent). This result is of the utmost importance in view of the amount of this acid constantly present in the air of our cities, and perhaps promoting the decay of building stones used in them, as much as any other one cause.

The percentage of loss or gain in weight when immersed in sulphurous acid gas, was in the case of Potsdam sandstone six one-thousandths of one per cent only, many other stones being affected to an amount from ten to seventy times greater.

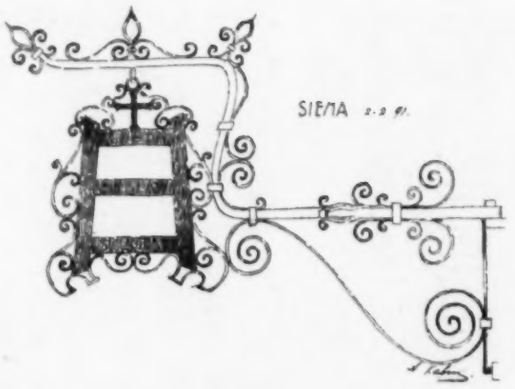
Prof. Thos. Egleston, Professor of Mineralogy, Columbia College School of Mines, and a very high authority on the subject, in a paper read before the American Society of Civil Engineers, on "The Decay of Building Stone," says:

"Of the sandstones having a silicious binding material, Potsdam sandstone which has been used in Columbia College, and the silicious triassic sandstone, which was the material used in the lower part of the cathedral at Rodez, are the best examples, and in these no decomposition takes place. Of these sandstones it will be noticed that there are two general varieties, one in which the quartz grains are more or less large, and are rounded, but are cemented together by silica. . . . In the Potsdam sandstone, on the contrary, the grain of the quartz is quite small; its shape when it can be distinguished at all by a magnifying glass, is always angular. . . . *This is the best of all building-materials*, though mouldings made of the other variety [large grains] will last for many years without suffering any appreciable amount of deterioration."

Architects who have not samples of this Stone on file in their collection should apply to the Potsdam Red Sandstone Company, Potsdam, N. Y., who will forward samples pre-paid.

Pamphlets with full expert opinions sent free on application.

From the Door of the Lions. Cathedral, Toledo, Spain.



Knocker from the Palazza Gozzadini, Bologna.

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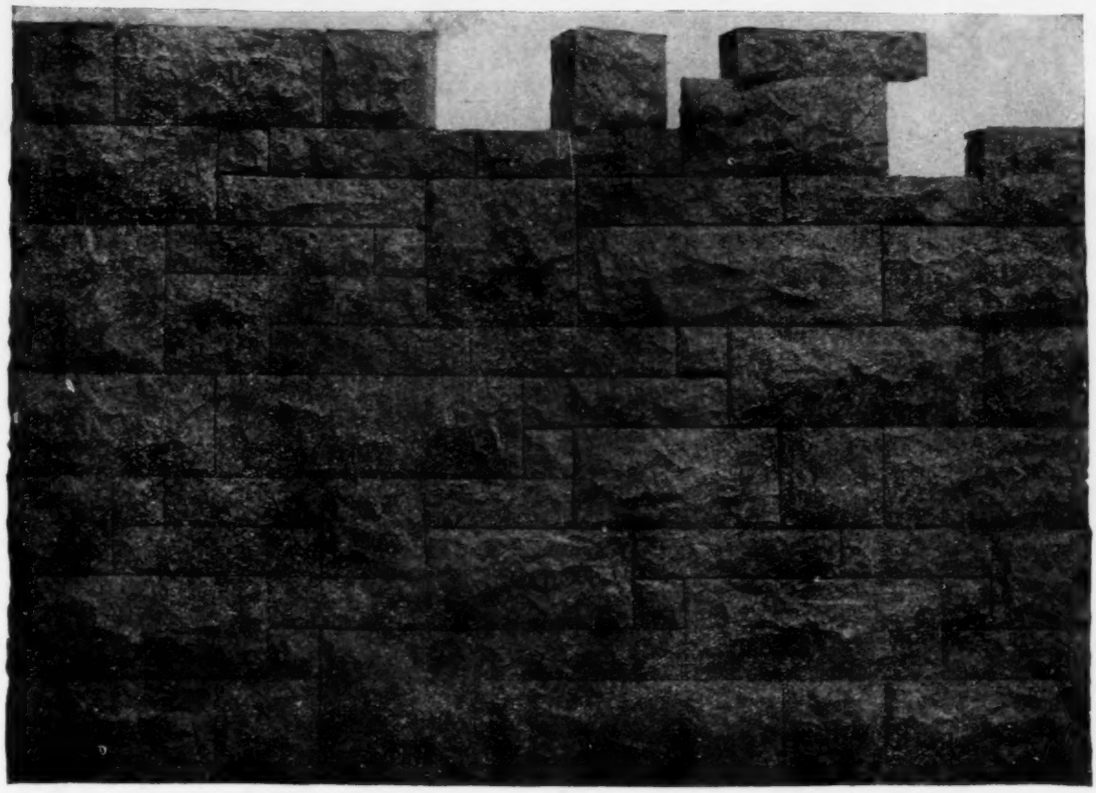
THE BOSTON BRICK ASHLAR.



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BUILDING INTELLIGENCE.

Calvin St., near Washington St., frame dwell., 24′ x 40′; owner, Patrick Fitzpatrick; builder, John McGirr.

Farragut Ave., frame dwell., 21.6′ x 54.8′; builder, James Shuman.

Oak St., frame dwell., 20′ x 33′; owner, John Walsh; builder, Joseph Tattan.

Quincy St., near Somerville Ave., frame dwell., 20′ x 27′; owner, C. C. Bartlett; builders, W. L. & H. Waugh.

Knapp St., near School St., frame dwell., 22′ x 28′; owner, Mr. Sawyer; builders, W. L. & H. Waugh.

Gilman St., frame dwell., 24′ x 30′; owner, N. H. Reed; builders, Hudson & Lewis.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $3,700; owner, J. E. Schluter; contractor, J. C. Brockmeier.

Two-st'y brick dwell.; cost, $4,250; owner, H. M. Marx; contractor, Daman.

Four two-st'y brick dwells.; cost, $14,000; owner and contractor, O. A. Bartholomew.

Two-st'y brick dwell.; cost, $3,500; owner, Wm. Todd; contractor, Bartholomew.

Two-st'y brick dwell.; cost, $3,000; owner, J. P. Poorman; contractor, Bartholomew.

Two-st'y frame dwell.; cost, $4,000; owner, Le Roy Carduer; contractor, G. W. Beaumont.

Two-st'y brick dwell.; cost, $6,000; owner, W. H. Foster; contractor, E. Marlott.

Two-st'y brick dwell.; cost, $4,000; owner, Jane Gerardin; contractors, Herninghaus & Vollmer.

Two-st'y brick dwell.; cost, $3,000; owner and contractor, W. B. Sparrow.

Two-st'y brick dwell.; cost, $10,000; owner, B. M. Verdin; contractors, F. Kohleneyer & Son.

Two-st'y brick dwell.; cost, $6,500; owner, Jos. Vincent; contractors, F. Kohleneyer & Son.

Two-st'y brick dwell.; cost, $7,000; owner, A. Treszczynski; contractor, C. Scheekart.

Three two-st'y brick dwells.; cost, $12,000; owner, J. N. Murphy; contractors, J. W. Barnes & Co.

Two-st'y brick dwell.; cost, $10,000; owner and contractor, W. Kaye.

Worcester, Mass.—*Pond St.*, four-st'y frame dwell.; owner, Mrs. Ida Epstein; contractor, Wm. Power; architects, Earle & Fisher.

Preston St., one-and-one-half-st'y frame dwell.; owner and contractor, T. M. Anderson.

Benefit Ct., two-st'y frame dwell.; contractors Belisle & Maynard; owner, Mrs. Jane Harris; architects, Earle & Fisher.

Shattuck St., two-st'y frame dwell.; owner and contractor, B. Lewis Fillmore.

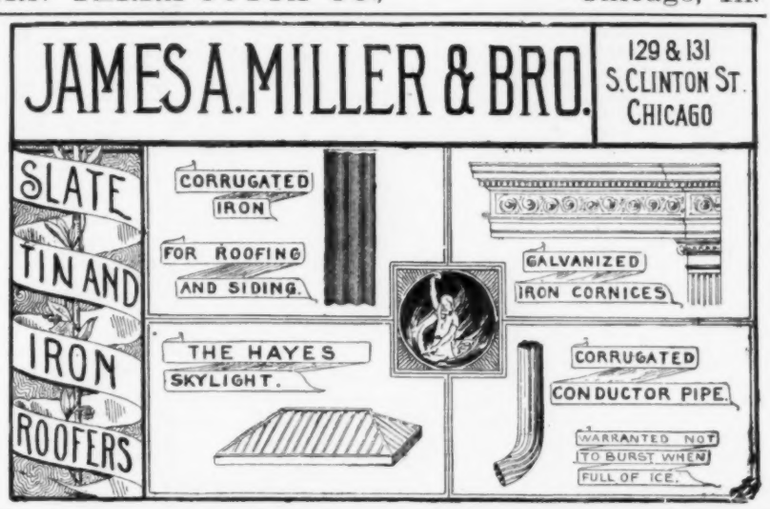
Baker St., two-st'y frame dwell.; owner, Wm. A. Barrows; contractors, Bernstrom & Olsonlout.

Millbury St., three-st'y frame dwell.; owner, John Curran; contractor, Wm. O. Burns.

King St., three-st'y frame dwell.; owner, Cornelius Maher; contractor, W. Ford.

OFFICE-BUILDINGS.

Chicago, Ill. — Marshall Field, nine-st'y office-building and stores, Washington St. and Wabash Ave.; cost, $800,000.



BUILDING INTELLIGENCE.

New York, N. Y. — *Ninth St., No.* 61, six-st'y office-building, tin and tile roof; cost, $30,000; owner, Sailors Snug Harbor; lessee, Edward L. Kellogg, Orange, N. J.; architect, Wilson Eyre, Jr., 921 Chestnut St., Philadelphia.

Broadway, n Murray St., twelve-st'y office-building; owner, Home Life Insurance Company; architects, N. Le Brun & Sons.

Broadway, Nos. 64-66, *and New St., Nos.* 17-19, sixteen and seventeen-st'y office-building; for Manhattan Life Insurance Company; plans being prepared in competition.

Wall St., No. 64, eight or nine-st'y fireproof office-building; owner, Jas. H. Stebbins.

SCHOOL-HOUSES.

Boston, Mass.—*Brewer St.*, cor. Burroughs St., Ward 23, four-st'y brick (Agassiz) school-house, pitch roof, 77.10′ x 120.6′; for the City of Boston; builders, Sampson, Clark & Co.

Macon, Ga. — Plans have been prepared for the Whittle School-building, to cost $11,500; architect, Alex. Blair.

New York, N. Y. — *East Forty-fourth St.*, five-st'y brick and stone parochial school; cost, $75,000; owner, St. Agnes Roman Catholic Church; architect, Jeremiah O'Rourke, Newark, N. J.

BUILDING INTELLIGENCE.

STABLES.

Boston, Mass. — *West Chester Park*, cor. Newbury St., Ward 11, five-st'y brick stable, flat roof, 109′ x 125′; owners, Kenny & Clark; builders, A. S. Drisko and C. H. Dodge.

Chicago, Ill.—Peter Schoenhofen Co., two-st'y barn, 212-214 Division St.; cost, $10,000.

J. Ogden Armour, two-st'y barn, 3722-3728 Michigan Ave.; cost, $30,000.

J. B. Goodman, two-st'y barn, 1812-1816 Indiana Ave.; cost, $5,000.

Nectar Roussan, four-st'y barn and storage house, 251-255 West Congress St.; cost, $13,000.

Watson Blair, two-st'y barn, 355 East Superior St.; cost, $4,000.

Monson, Mass. — Frame barn, 42′ x 104′, with wing, 38.10′ x 102.6′; for Massachusetts State Primary School; contract to be let; architects, Joseph R. and Wm. P. Richards, Boston.

New York, N. Y. — *Sixty-sixth St.*, s s, bet. Boulevard and Amsterdam Aves., five-st'y brick stable; cost, $16,000; owner, John S. Peters, Jr.; architect, James W. Cole.

West Eighteenth St., No. 209, five-st'y brick stable; cost, $14,000; owner, John Jordan; architect, Jas. W. Cole.

Somerville, Mass. — *Craigie St., rear*, near Summer

INVESTIGATION!!

INVESTIGATION will procure you A CLOSET that is ABSOLUTELY SAFE.

WE HAVE IT.

DANGEROUS CLOSETS can be found without the trouble of INVESTIGATION.

YET BOTH are about the SAME MONEY.

THE FORMER is an ever-watchful BARRIER AGAINST SICKNESS, foul odors and filth.

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THE OTHER positively noiseless, not embarrassing the sensitive.

AND YET either really costs about the SAME AMOUNT.

THE DANGER of an uncertain CONTRACTED TRAP that may OVERFLOW your closet and room OR THE CERTAINTY of a CLEAN TRAP with NO CONTRACTION.

THE FACT—in a nut shell—is, a CLEAN closet or a FILTHY closet for about the SAME PRICE.

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MAKES LESS NOISE and COSTS LESS MONEY than ANY OTHER FIRST-CLASS CLOSET ON THE MARKET.

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For venting, use vented outlet.

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For Wash-Bowls, Sinks, Bath and Wash-Tub

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"THE CAST SINK MUST GO"

THE COLUMBUS WROUGHT STEEL **SINK** DISPLACES, ALL OTHERS

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BUILDING INTELLIGENCE.

St., frame stable, 26′ x 28′; owner, G. H. Hopkins; builder, Mark Leighton.

Worcester, Mass.—*Clifton St.*, one-and-one-half-st'y frame stable; owner and contractor, I. W. Tolman.

Queen St., one-st'y frame stable; owners and contractors, Henry and Walter L. Mellen.

Shattuck St., one-st'y frame stable; owner and contractor, B. Lewis Fillmore.

STORES.

Boston, Mass. — *Columbia St., Nos.* 11-13, Ward 10, six-st'y brick store, flat roof, 40.1½′ x 61.6′; owners, Joshua Bennett he rs; builders, Georg & Northup.

Chicago, Ill. — Gustav Hansen, two-st'y store, 16-18 Desplains St.; cost, $12,000.

Minneapolis, Minn. — Henry Ackowald, three-st'y pressed brick stores and flats, 521-523 Marshall St., n; cost, $20,000.

John H. Long, three-st'y brick store building, 1704-6-8-10 First Ave., north; cost, $22,500.

St. Louis, Mo. — Two-st'y brick store; cost, $7,000; owner and contractor, W. H. Abbott.

Two-st'y brick store and dwell.; cost, $3,500; owner and contractor, W. C. Bald.

Two-st'y brick store and hall; cost, $22,000; owner, Maple Building Co.; contractors, F. Kohleneyer & Son.

TENEMENT-HOUSES.

Boston, Mass. — *Dudley St., Nos.* 288 296, Ward 21, 5 four-st'y brick tenements, flat roofs, 22′ x 45′; owner and builder, B. J. Connolly.

New York, N. Y. — *Hester St., No.* 74, five-st'y brick tenement; cost, $15,000; owner, R. Rosin.

WAREHOUSES.

Chicago, Ill. — R. B. Cranch & Co., two-st'y warehouse, 1624-1634 Lumber St.; cost, $25,000.

Louis Render, 2 three-st'y warehouse, 131-133 Michigan St.; cost, $20,000.

E. L. Hoapp, three-st'y warehouse, 176-180 Forty-first St.; cost, $3,000.

New York, N. Y.—*West Third St., Nos.* 16-18, seven-st'y brick, stone, granite and terra-cotta warehouse; cost, $75,000; owner, Lewis Coon; architect, G. A. Schellenger.

East Thirteenth St., Nos. 24-26, five-st'y brick warehouse; owner, G. Gennert.

MISCELLANEOUS.

Baltimore, Md. — Five-st'y brick and stone building, cor. Madison St. and Linden Ave.; cost, bet. $50,000 and $75,000; for Baltimore Medical College, architect, Wm. F. Weber.

The Baltimore & Potomac R. R. Co. will build brick and stone power-house and stack, s w cor. Madison Ave. and Wilson St.

Chicago, Ill. — Chicago Turn Gemeinde, three-st'y gymnasium, 684-690 Wells St.; cost, $50,000.

North Branch Lumber Co., planing-mill, Western and Belmont Aves.; cost, $10,000.

Henn & Gabler Brewing Co., brewery, 3431 Uhlman St.; cost, $8,000.

Home for Aged Jews, three-st'y home, 6124-6158 Drexel Ave.; cost, $60,000.

Charlottesville, Pa.—The Piedmont Hospital Association contemplate the erection of a building, to cost about $10,000.

El Paso, Texas.—The building of a City-hall, to cost about $50,000, is contemplated.

Minneapolis, Minn. — O. N. Ostrom, grain elevator, Twenty-third Ave., s e, bet. Fourth and Fifth Sts.; cost, $25,000.

New London, Conn. — A station for the New York Yacht Club; architects, Cole & Chandler, Boston.

New York, N. Y. — *Third Ave.*, w s, 340′ s One Hundred and Thirty-fourth St., five-st'y brick workshop, tin roof; cost, $17,000; owner, J. L. Mott Iron Works, 84-90 Beekman St.; architect, A. G. Thomson, 84-90 Beekman St.

East Fiftieth St., Nos. 142-144, fireproof club-house and library; owner, Cathedral Lyceum; architect, Joseph H. McGuire.

Flushing Ave., n s, 391′ w Marcy Ave., four-st'y brick storage-building, tin roof; cost, $5,000; owners and builders, Meuren Bros., 575 Flushing Ave.; architect, Th. Engelhardt, 905 Broadway.

BUILDING INTELLIGENCE.

Sixty-seventh St., n s, abt. 188′ e First Ave., two-st'y brick workshop, tin roof; cost, $5,000; owner, R. T. Auchmutz, 61 University Pl.; architect, H. J. Hardenburgh, 10 West Twenty-third St.

Thirteenth Ave., s e cor. Eleventh St., two-st'y brick storage building, tin roof; cost, $40,000; owner, Emory M. Van Tassel, 571 Fifth Ave.; architect, Walter H. C. Hornum, 150 East One Hundred and Twenty-fifth St.

Norfolk, Va.—Two-st'y market-house, to cost about $20,000, is contemplated.

St Louis, Mo.—Three-st'y frame college; cost, $20,000; owner, College of St. Louis; contractor, R. J. Kidpath.

Summit, N. J. — Constable Bros., 22 East Sixteenth St., New York, have plans on hand for Young Men's Christian Association building and gymnasium.

PROPOSALS.

Treasury Department, Office Supervising Architect, Washington, D. C., May 31, 1892. Sealed proposals will be received at this office until 2 o'clock P. M., on the 24th day of June, 1892, and opened immediately thereafter for all the labor and materials and erecting complete either a hydraulic passenger elevator, including pumps, tanks, piping, car, etc., or a steam passenger elevator, also a new steam boiler, injector, new smoke stack, etc., required for the United States Court-house and Post-office building at Leavenworth, Kansas, in accordance with the drawings and specification, copies of which may be had on application at this office or the office of the Custodian at Leavenworth, Kansas. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Passenger Elevator for the United States Court-house and Post-office building at Leavenworth, Kansas," and addressed to W. J. EDBROOKE, Supervising Architect. 860

Treasury Department, Office Supervising Architect, Washington, D. C., May 26, 1892. Sealed proposals will be received at this office until two o'clock P. M. on the 22d day of June, 1892, and opened immediately thereafter, for all the labor and materials required for the trench excavations, foundations, cut-stone work and brickwork of the basement and area walls, basement columns, first floor beams, girders and wood joists of the United States Post-office building at Danville, Ill., in accordance with drawings and specifications, copies which may be had on application at this office or the office of the Superintendent at Danville, Ill. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of proposal. The right is reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Trench Excavation, Foundations, Cut-stone Work and Brickwork of the Basement and Area Walls, etc., for the United States Post-office building at Danville, Ill.," and addressed to W. J. EDBROOKE, Supervising Architect. 859

Treasury Department, Office Supervising Architect, Washington, D. C., May 28, 1892. Sealed proposals will be received at this office until two o'clock, P. M. on the 21st day of June, 1892, and opened immediately thereafter, for furnishing and delivering at freight depot in city where required safes for the United States Government Building at the following cities: Augusta, Ga.; Cairo, Ill.; Norfolk, Va.; Paducah, Ky., and Sedalia, Mo., in accordance with the specification, copies of which may be had at this office. Bids for one or more of the safes must be accompanied by a certified check for a sum not less than two per cent of the amount of the bid. The right is hereby reserved to reject any or all bids and to waive any defect or informality in any bid, if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for Safes for United States Government Buildings," and addressed to W. J. EDBROOKE, Supervising Architect. 859

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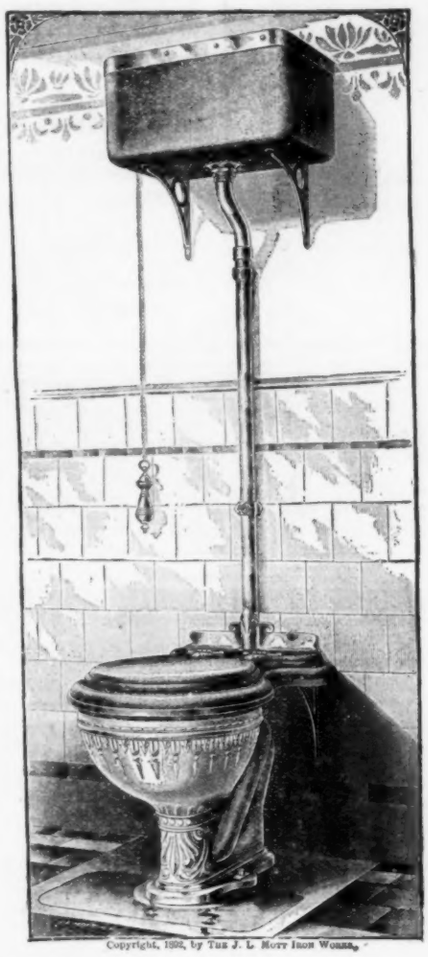

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The Primo is a first-class imported Siphon-Jet Water-Closet, warranted not to craze or discolor. The Bowl contains a large body of water, and there are no mechanical parts liable to get out of order. When the pull is drawn down the Siphon is started, and contents of Bowl are quickly and almost noiselessly ejected. A feature of the Primo is the great depth of water seal in the Bowl, which affords an effectual barrier against sewer gas.

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[*See Alphabetical Index on page VII for Pagination.*]

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[Advertisers can be indexed only under a single head free of charge.]

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Artificial Limbs.
A. A. Marks, New Yorks, N. Y.....(mon)
Artificial Stone.
Wehn Pavement Co., New York, N. Y....(cow)
Asbestos Felt & Boiler Coverings.
H. W. Johns M'f'g Co., New York.....
Asbestos Felts.
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Brick (Ornamental).
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Hydraulic Press Brick Co., St. Louis.....
Peerless Brick Co., Philadelphia, Pa.....
Waldo Bros., Boston .....
Brick Machine.
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H. W. Johns M'f'g Co., New York.....
Building Papers.
H. F. Watson Co., Erie, Pa.....
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John. H. Pray, Sons & Co., Boston..... .....
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Palmer Mfg. Co., Brooklyn, N. Y.....
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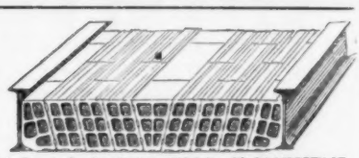
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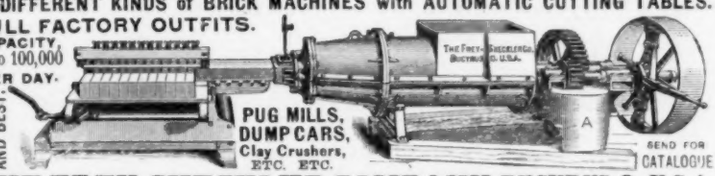

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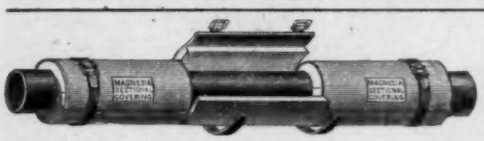

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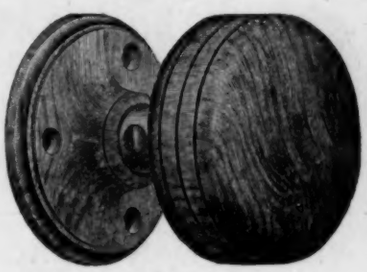

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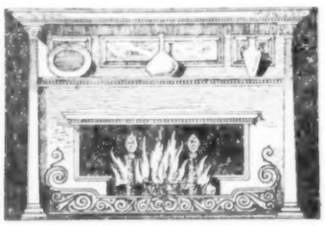

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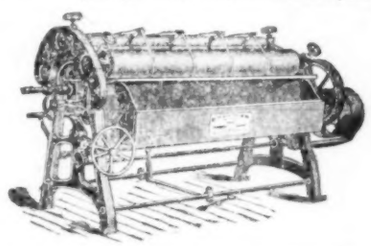

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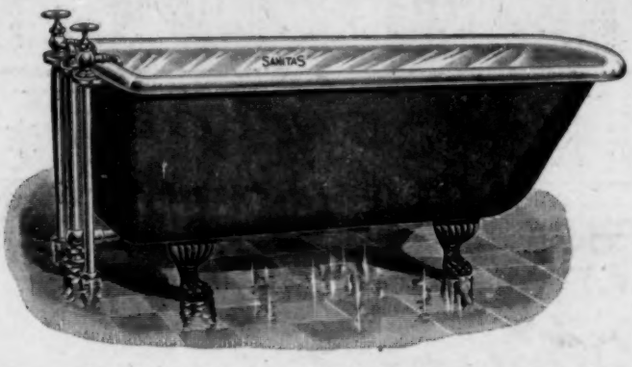

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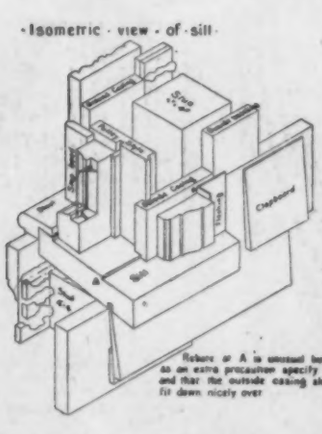

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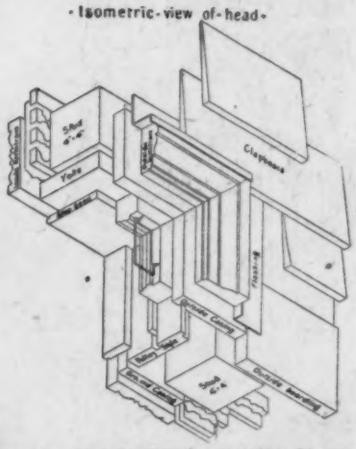

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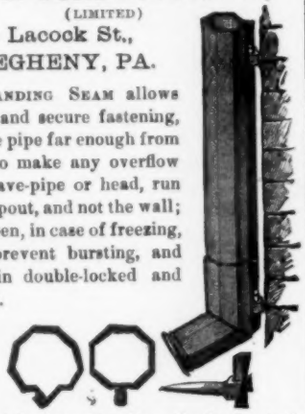

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LUMBER. — ℔ M.	*(Wholesale Prices.)*		*(Prices to Builders and Contractors.)*	
Boards: *(Ordinary dimensions.)*				
Pine, 1st quality, clear	65 00 @ 75 00	50 00 @ 60 00	30 00 @ 47 00	48 00 @ 55 00
" 2d quality	55 00 @ 60 00	42 00 @ 50 00	25 00 @ 28 00	40 00 @ 45 00
" 3d quality	18 00 @ 22 00	35 00 @ 40 00	14 00 @ 20 00	30 00 @ 35 00
Spruce	@ 25 00	13 50 @ 25 00	*Not sold.*	16 00 @ 20 00
Hemlock	ea 13½ @ 14	13 00 @ 15 00	@ 12 00	11 25 @ 13 50
Yellow pine	20 @ 40	25 00 @ 35 00	29 00 @ 37 00	14 00 @ 29 00
Cypress	@	31 00 @ 40 00	@	@ 35 00
Clapboards:				
Pine	@	38 00 @ 60 00	10 00 @ 22 00	14 00 @ 25 00
Spruce	@	23 00 @ 35 00	*Not sold.*	*Not sold.*
Framing Timber:				
Pine			12 00 @ 15 00	25 00 @ 37 30
Spruce	14 00 @ 18 00	15 00 @ 18 00	*Not sold.*	16 00 @ 18 00
Hemlock	12 00 @ 16 00	13 00 @ 15 00	10 00 @ 13 00	13 00 @ 17 00
Yellow pine	18 00 @ 21 00	24 00 @ 35 00		22 00 @ 28 00
Laths:				
Pine	@	2 25 @ 2 35	2 10 @ 2 25	2 75 @ 3 00
Spruce	2 75 @ 3 00	2 35 @ 2 50	*Not sold.*	2 30 @ 3 00
Shingles:				
Pine, shaved ℔ M.	5 00 @ 6 00	@	*Not sold.*	
Pine, sawed "	4 00 @ 5 00	@ 4 50	2 20 @ 3 00	
Spruce, sawed "	1 50 @ 2 60	1 50 @ 00	*Not sold.*	
Redwood ℔ 125	1 40 @ 1 60	3 75 @ 4 00	6 00 @ 7 50	{30" $35 @ 40 / 24" 8 @ 21
Cedar split ℔ M.	@	@	*Not sold.*	{20" 35 @ 14
Cedar sawed "	@	2 00 @ 4 00	2 00 @ 2 35	
Cypress. Split....7 x 24. "	18 00 @ 20 00	5 00 @ 6 00	3 50 @ 4 00	11 00 @ 14 00
Miscellaneous:				
Piles ℔ ft.	4½ @ 5½	Piles 6c. ℔ ft.	Cut to order.	
Fence pickets, Common	8 00 @ 10 00	10 00 @ 18 00	P.10 00 @ 18 00	9 00 @ 13 00
Cedar posts, 9 ft. (sq. posts.)	@	25 @ 50	9 @ 21	40 @ 1 25
Chestnut posts	@	25 @ 50	*Not sold.*	20 @ 30
Finishing Woods: ℔ M. *(First Qual.*				
Ash *[Kiln-dried.)*	@ 55 00	45 00 @ 60 00	30 00 @ 35 00	30 00 @ 40 00
Cherry	80 00 @120 00	90 00 @ 120 00	80 00 @ 110 00	100 00 @ 120 00
Butternut	40 00 @ 60 00	60 00 @ 70 00	50 00 @ 60 00	70 00 @ 80 00
Hard-pine floors (rift)		45 00 @ 50 00		
Mahogany, Baywood [Mexican]	@180 00	150 00 @ 160 00	150 00 @ 200 00	150 00 @ 250 00
" St. Domingo	@350 00	120 00 @ 350 00	200 00 @ 250 00	200 00 @ 400 00
Maple	45 00 @ 50 00	45 00 @ 50 00	18 00 @ 35 00	25 00 @ 55 00
Oak, red	@ 70 00	@ 50 00	32 00 @ 40 00	45 00 @ 55 00
" white	@ 70 00	50 00 @ 55 00	22 00 @ 40 00	45 00 @ 55 00
" quartered	@ 90 00	65 00 @ 75 00	45 00 @ 50 00	60 00 @ 75 00
Sycamore quartered		50 00 @ 65 00	35 00 @ 50 00	57 50 @ 65 00
Pine, clear	65 00 @ 70 00	50 00 @ 75 00	35 00 @ 50 00	@ 65 00
Redwood	60 00 @ 70 00	60 00 @ 70 00	55 00 @ 60 00	60 00 @ 75 00
Rosewood ℔ lb.	@ 6		@ 7	
Spruce floors (clear, kiln-dried)		32 00 @ 35 00		
Walnut, black	125 00 @150 00	85 00 @ 120 00	55 00 @ 100 00	50 00 @ 170 00
Whitewood	45 00 @ 50 00	40 00 @ 45 00	18 00 @ 40 00	25 00 @ 40 00
Yellow pine ℔ M.	@ 45 00	40 00 @ 42 00	29 00 @ 40 00	@ 45 00

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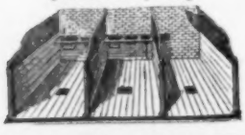

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Common: *Cargo afloat.*				In Yard.
Pale	1 50 @ 2 00	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
Jersey	4 00 @ 5 00	Bay State Hard 7 00 @ 8 00		" @ 7 00
Long Island	@	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Salmon @ 5 00
Up River	4 50 @ 5 25	Domestic Face 20 00 @ 22 00	St. Louis Fronts @ 27 00	Sq. " @ 9 00
Haverstraw Bay 2d	5 00 @ 5 25	Philadelphia 40 00 @ 45 00		Light Stretchers @ 10 00
" 1st	5 00 @ 5 50	Phila. mould 50 00 @ 80 00		Medium " @ 12 00
Hollow	@ 13 00			Red " @ 13 00
Fronts:		Anderson 14 00 @ 32 00	15 00 @ 27 00	Dark " @ 13 00
Croton, Brown	@ 13 00		65 00 @ 350 00	Pressed 18 00 @ 20 00
" dark	@ 14 00		@ 55 00	Best Paving @ 14 00
" red	@ 14 00		45 00 @ 50 00	Second " @ 13 00
Chicago pressed (Anderson)			45 00 @	Third " @ 12 00
" Moulded			25 00 @	
Baltimore	37 00 @ 41 00		60 00 @ 100 00	Dom. @ 65
Philadelphia	23 00 @ 24 00		30 @	@ 85
Trenton	22 00 @ 23 00		35 @	
Milwaukee			55 00 @ 65 00	
Moulded:				
Glens Falls Red Pressed	@ 37 00		@ 100 00	
" " Buff "	@ 30 00		@ 120 00	
" " Moulded Red & Buff	45 00 @ 70 00			
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @100 00			
Enamelled (edge and end)	90 00 @115 00			
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 90 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	1 75 @ 2 00	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush
Hydraulic Lime	@ 1 45	@ 1 35		25 @ 30
Chicago Lime in bulk		St. John 1 00	55 @	White Mash
Wisconsin Lime			60 @	1 25 @ 1 50
Rockland and Rockport, (Com.)	@ 85	@ 1 05	*Not sold.*	1 00 @ 1 60
Rockland and Rockport, finish	@ 95	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 82	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush.*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 80
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 45

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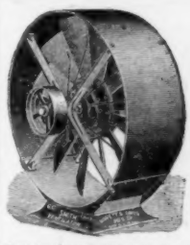
Foundation:				
Dimension	@	5 00 ℔ ton.	20 @	@ 5 00
Block	@	4 60 ℔ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: ℔ *sq. ft.*				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in. th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	} 95 @ 1 16
Kibbe	@ 90	90 @ 1 10	@	
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ℔ cub. ft.	1 05 @ 1 35
Amherst } Ohio	90 @ 95	90 @ 1 00	45 @ 50	} 55 @ 1 00
Berea } Ohio	75 @ 1 00	85 @ 90	45 @ 55	
Berlin } Ohio	75 @ 1 00	80 @ 90	55 @ 65	
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle. English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (℔ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (℔ *square*)	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" green	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" purple	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" red	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
" black, Lehigh	@	@	7 30 @ 8 00	00 @ 4 65
" " Chapmans	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
" Unfading black, Monson, Me	@	@	*Not Sold.*	@ 25 00
Tiles, Am ...℔ M	@	@	@	6 00 @ 6 75
N. Peach Bottom, warranted unfading	@	@		
PAINTS. (*In Oil* ℔ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (℔ gal.)	55 @ 62	42 @ 43	57 @ 60	@ 60
" " boiled. (℔ gal.)	58 @ 65	45 @ 46	60 @ 63	@ 63
Turpentine (℔ gal.)	36 @ 37	@ 35	51 @ 51	@ 44
Varnish, coach (℔ gal.)	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac (℔ gal.)	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting } dry	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) } dry	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	5½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 40	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per ℔ 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4″ x 4″ ...(℔ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.)
Plain	@ 1 50	@ 1 75	*Not Sold.*	@ 90
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 00
Acorn, Japanned	@ 65	@ 50	*Not Sold.*	1 35 @ 2 75
Ball Tip, Boston Finish ...(℔ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	48 @ 50
Bronze metal	@ 10	@ 10	@ 12	@ 1 25
Brass (for cupboards.)	@	@	@	@ 1 00
Ebony	@	@	@	@ 35
Apple wood				37 @ 1 00
Knobs: (℔ *set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not Sold.*
Lava	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Hemacite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, solid	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6½
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe	@			
Iron:				
I-Beams, up to and including 36 ft	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10



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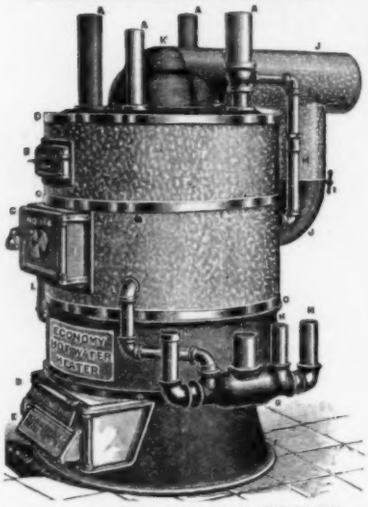

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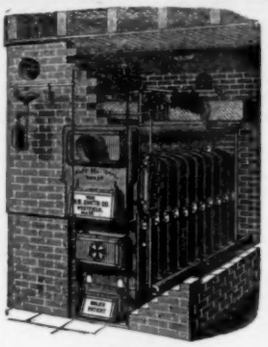

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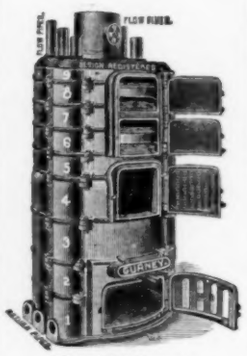

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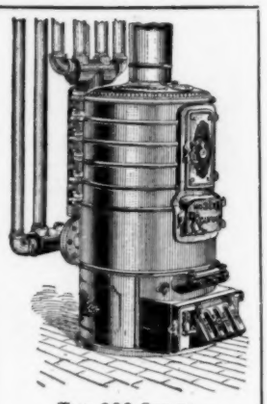

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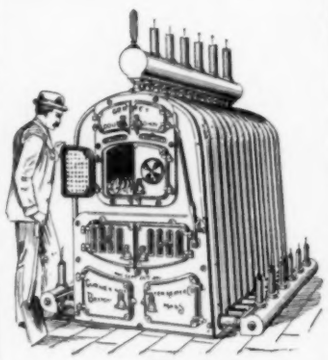

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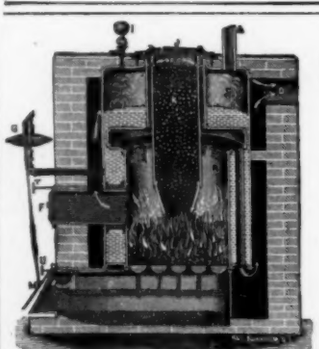

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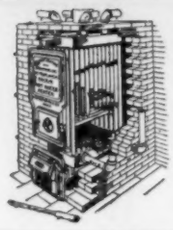

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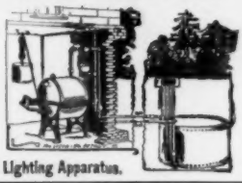

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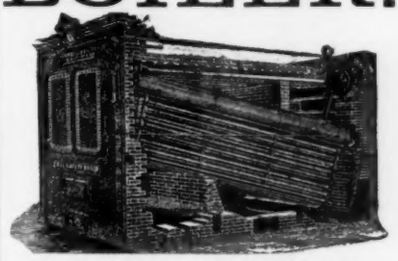

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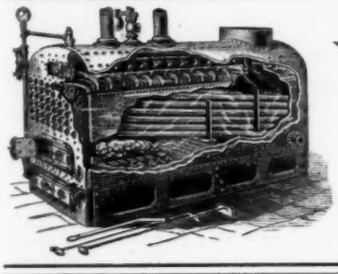

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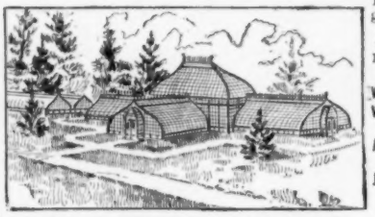

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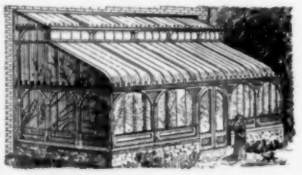

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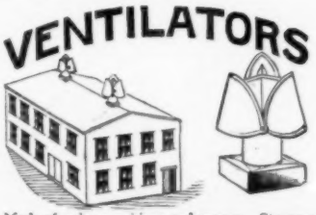

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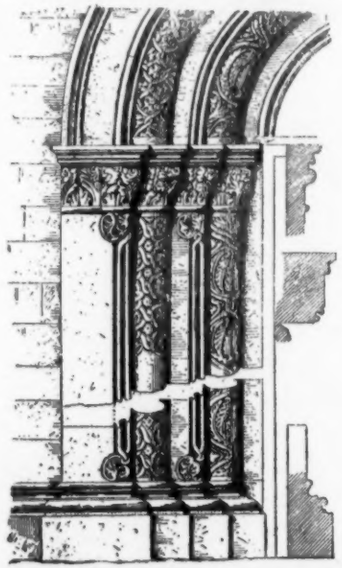

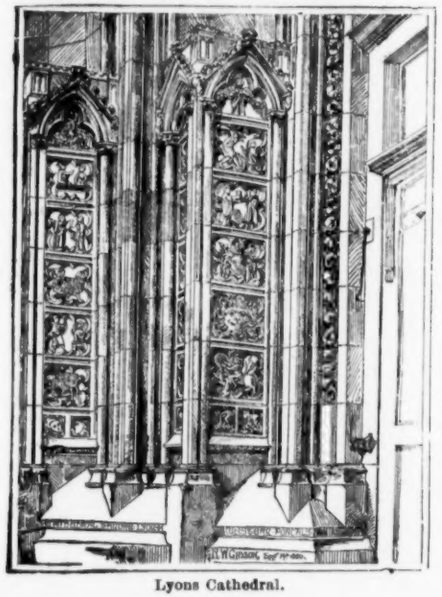

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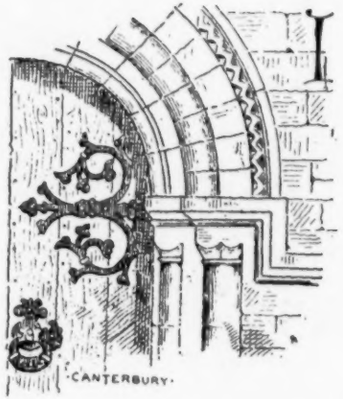

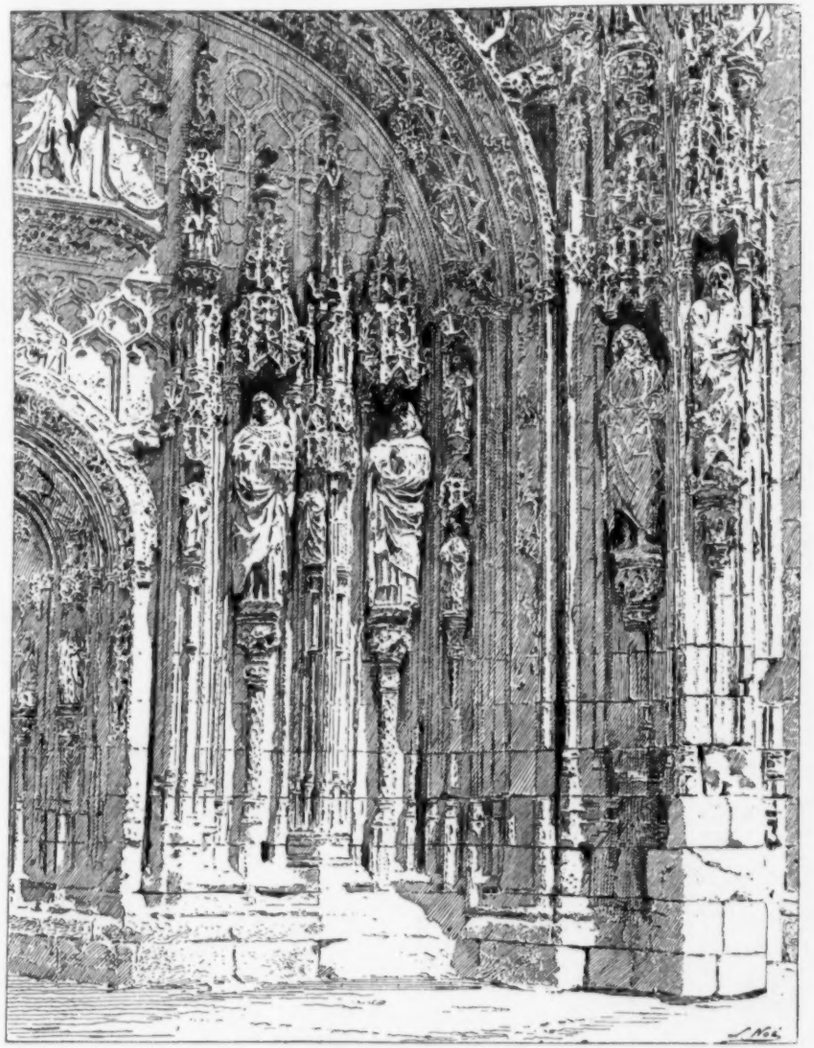

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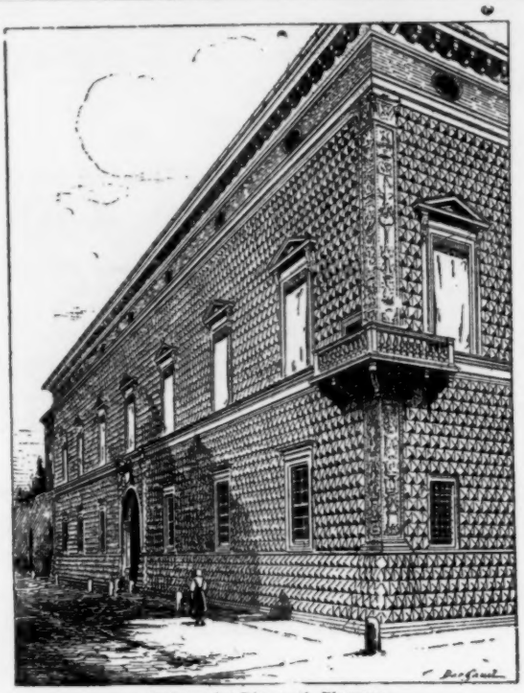

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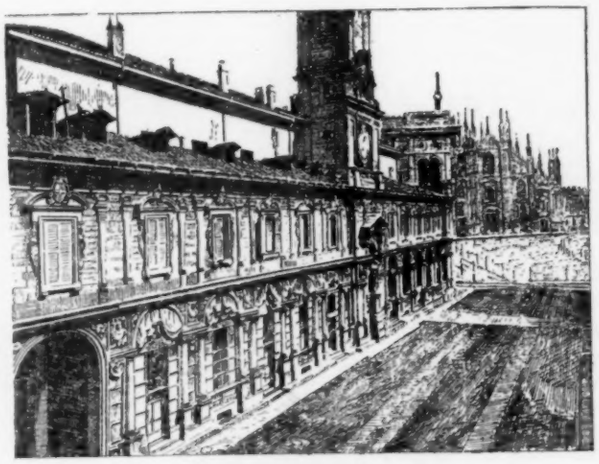

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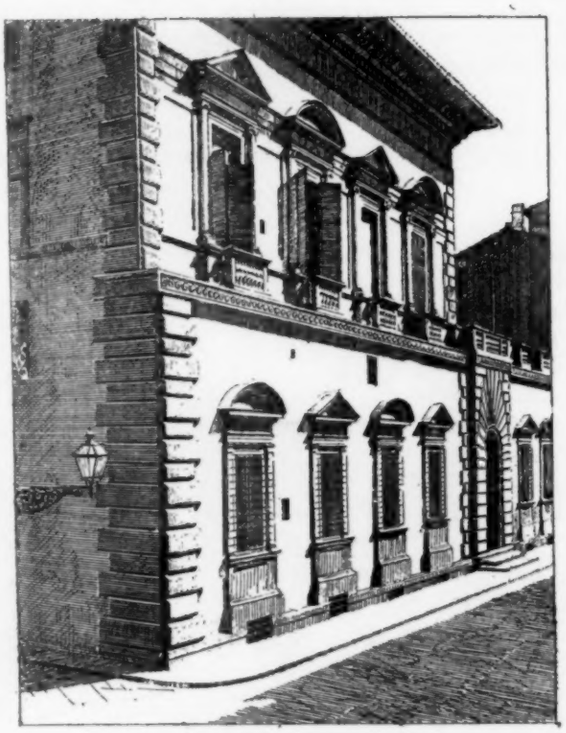

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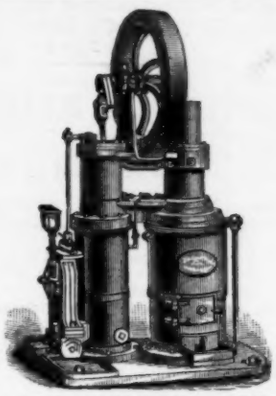

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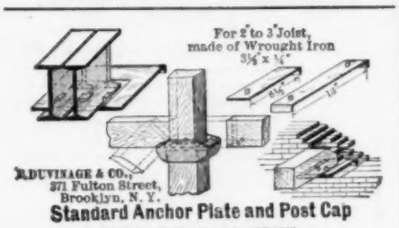

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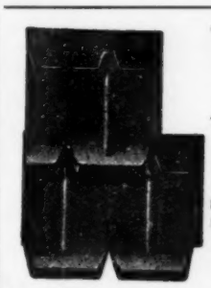
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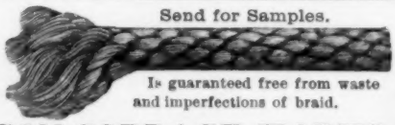

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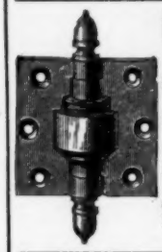

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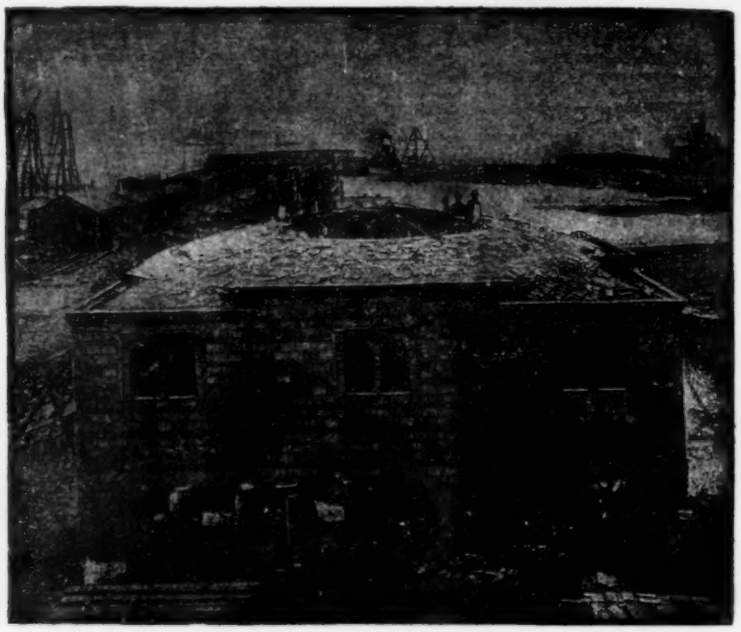

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Havemeyer Building,	New York City.	George B. Post, Architect.
Magdalen Asylum,	" " "	Bosworth & Chase, Architects.
St. Joseph's Seminary,	Yonkers, N. Y.	Wm. Schickel & Co., "
University of Buffalo,	Buffalo, N. Y.	George Cary, Architect.
Boston Public Library,	Boston, Mass.	McKim, Mead & White, Architects.
Mass. State House Extension, Boston, Mass. (some of the floors)		Brigham & Spofford, Architects.
Bristol Co. Court House,	Taunton, Mass.	Frank Irving Cooper, Architect.
Forbes Library,	Northampton, Mass.	Wm. C. Brocklesby, "
Banigan Chapel,	Pawtucket, R. I.	Stone, Carpenter & Willson, Architects
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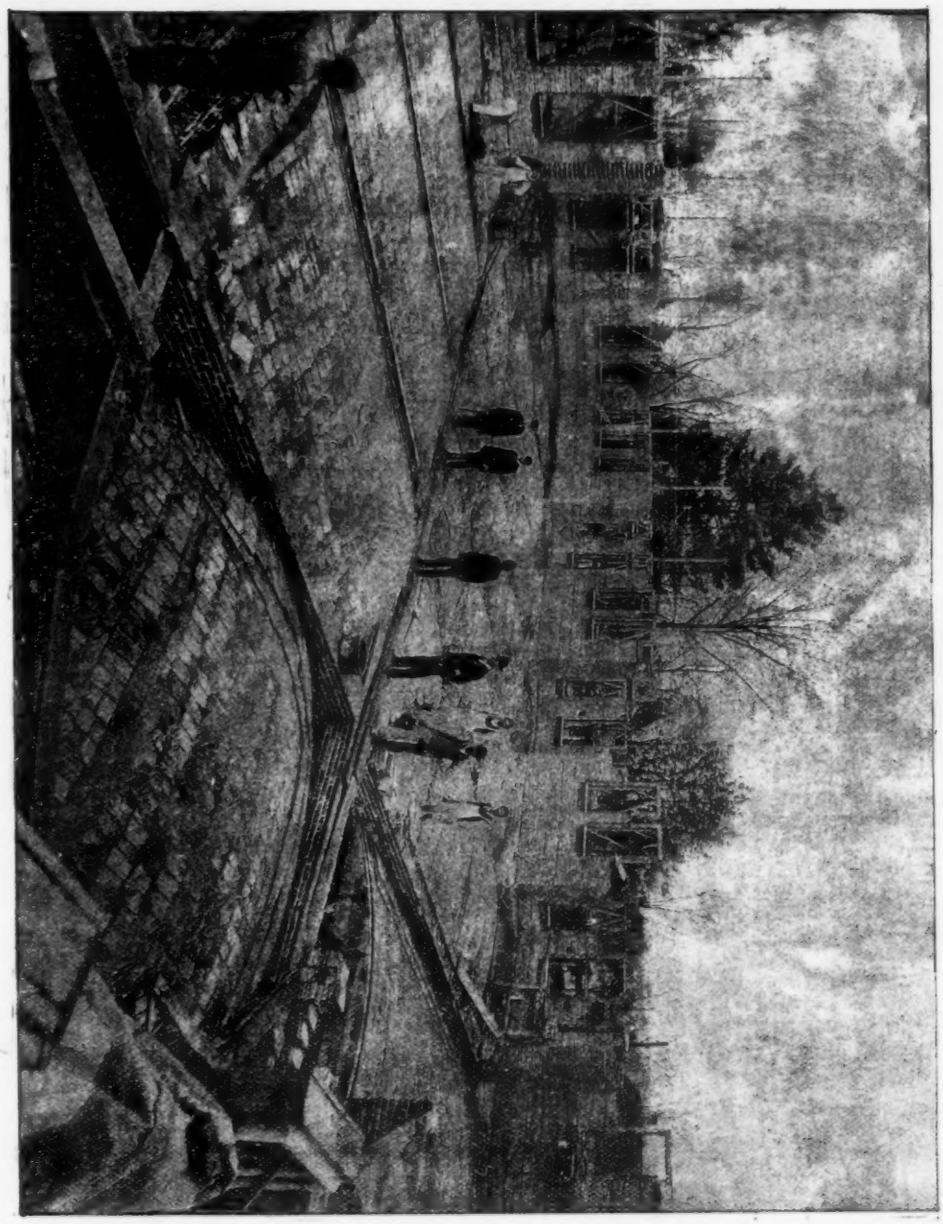

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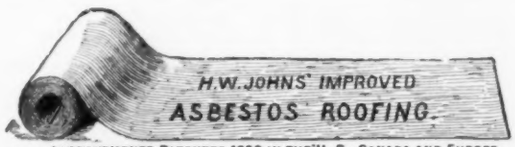

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474,299 Sash-Fastener. — Bill G. Lowrey, Blue Mountain, Miss.
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474,316. Heating-Furnace. — George F. French, Evanston, Ill.
474,322. Lead-Lined Pipe. — George W. Harrington, Wakefield, Mass.
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474,383. Machine for Fluting Wooden Knobs. — Emil G. Hess and William Hess, West Toronto Junction, Can.
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474,393. Protractor and Bevel. — Edward M. Long, Worcester, Mass.
474,405. Fastener for the Meeting-Rails of Sashes.—Oliver K. Putnam, Worcester, Mass.
474,406. Scaffold-Bracket.—Marcellus Ramsey, Miles Grove, Pa.
474,431. Elevator. — Charles Whittier, Boston, Mass.
474,441. Steam-Radiator Governor. — Walter Burnham, Chicago, Ill.
474,442. Eaves-Trough. — Andrew C. Byers and Joseph L. Byers, Forreston, Ill.
474,519. Lock.—Charles E. Candee, Brooklyn, N. Y.
474,522. Sash-Cord Fastener.—George C. Gardner, Hinsdale, Ill.
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474,633. Door-Guard.—George W. Glazier, Salem, Mass.
474,639. Non-Conducting Casing for Heaters, Flues, Pipes, etc. — Thomas W. Jenkins, Philadelphia, Pa.
474,647. Building. — Mathew Schmid, Philadelphia, Pa.
474,654. Floor-Layer.—Henry G. Epys, Cameron, La.
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474,683. Flushing Apparatus for Water-Closets.—Arthur O'Brien, Helena, Mont.
474,689. Chimney-Top. — George W. Powers and James M. Powers, Streator, Ill.
474,694. Apparatus for Heating, etc. — Karel Rivnác and Ladislav Vojácek, Prague, Austria-Hungary.
474,699. Bevel-Protractor.— Laroy S. Starrett, Athol, Mass.
474,797. Electrical Heater. — Willis Mitchell, Malden, Mass.

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From Antwerp. — Steamer "*Westernland*," 48 cases marble, Ocean Steamship Co.; 250 girders, R. F. Downing & Co.; 750 barrels cement, E. Thiele; 1,000 do, E. Ebert; 1,370 do., Bank of British North America; 2,200 do., order.

From Bremen. — Steamer "*Darmstadt*," 1,520 casks cement, order.

From Bristol. — Steamer "*Brooklyn City*," 10 casks fire-cement, W. Stack & Sons.

From Genoa. — Steamer "*Werra*," 2 blocks marble, James E. Ward & Co. Bark "*Mattia*," 17 blocks marble, G. Amsinck & Co.; 811 slabs do., Taber & Co.

From Glasgow. — Steamer "*Furnessia*," 33 blocks freestone, G. P. Sherwood & Co. Steamer "*State of California*," 275 cases granite, Austin, Baldwin & Co; 25 barrels enamelled bricks, Charles R. Weeks & Bro.

From Hamburg. — Steamer "*Venetia*," 1,000 barrels cement, order. Steamer "*Marsala*," 2,000 barrels cement, order. Steamer "*Bohemia*," 1,085 barrels cement, order.

From Halifax, N. S. — Seamer "*Portia*," 3 casks plaster, B. W. Bertaux.

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From Leghorn.—Steamer "*India*," 3 blocks marble, Batterson, See & Eisele; 70 do., Taber & Co.; 3 do., 126 slabs do., order.

From Liverpool. — Steamer "*Servia*," 211 casks bricks, Howard Fleming. Steamer "*Gallia*," 6 logs mahogany, 226 casks bricks, order.

From London. — Steamer "*Lydian Monarch*," 1,000 casks cement, E. Thiele; 600 do., E. J. Stevens; 1,250 do., Brown Bros. & Co.; 1,750 do., order. Steamer "*Manitoba*," 1,000 casks cement, Ladenburg, Thalman & Co.; 1,250 do., Brown Bros. & Co.; 500 do., Hammill & Gillespie; 1,250 do., order. Steamer "*Helvetia*," 600 casks cement, C. J. Stevens; 500 do., Bank of British North America; 1,500 do., order.

From Marseilles. — Steamer "*Massillia*," 16 blocks marble, order.

From Matanzas. — Steamer "*Alert*," 1,000 bags asphaltum, order.

From Panama. — Steamer "*City of Para*," 1 log mahogany, Roldan & Van Sickle.

From Rotterdam. — Steamer "*Schiedam*," 1,000 casks cement, Morris Ebert; 1,000 do., E. Thiele.

From Stettin. — Steamer "*Thingvalla*," 500 barrels Portland cement, H. Marquardt & Co.

From St. Jago. — Steamer "*Santiago*," 36 logs mahogany, C. F. Ferrer & Bro.; 110 do., Mosle Bros.; 22 do., Willard Hawes & Co.; 21 do., G. Amsinck & Co.; 76 do., B. Whiteman & Co.

From Trinidad. — Steamer "*Arecuna*," 1,000 tons asphaltum, order.

From Swansea. — Steamer "*Brooklyn City*," 260 casks bricks, Bowring & Archibald.

From Wentworth, N. S.—Brig "*Altoona*," 860 tons plaster, J. F. Whitney & Co.

From Windsor, N. S. — Schooner "*Newburgh*," 1,000 tons lump plaster, J. F. Whitney & Co.

BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[*Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.*]

ALTERATIONS.

Bozeman, Mont.—Addition to east side school; cost, $15,000; architects, Hancock Bros.

(*Continued on page* xvii.)

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Atlantic Ave., No. 118, four-st'y brick dwell., tin roof, to be raised and internal and other alterations made; cost, $3,000; owner, Wm. Cahill, on premises; architect, Carl F. Eisenach, 59 Court St.

Irving St., n s, 80' e Van Brunt St., two-st'y brick factory and boiler-house, gravel roof, to be raised three stories; cost, $10,000; owners, Marx & Rawolle, Irving and Van Brunt Sts.; architect, G. P. Chappell, 24 State St., New York City; builder, F. J. Ashfield, 647 St. Mark's Ave.

Flatbush Ave., Nos. 102-104, five-st'y brick door and sash factory, tin roof, damage done by fire to be repaired; cost, $3,595; owners, Brooklyn Door and Sash Co., on premises.

Pacific St., s w cor. Henry St., three-st'y brick hospital, tin roof, internal and other alterations; cost, $3,000; owner, Long Island College Hospital, Henry and Pacific Sts.; architect, William B. Tubby, 81 Fulton St., New York City.

Troutman St., No. 64, two-st'y frame dwell., tin roof, raised one story, three-st'y frame extension, tin roof, added and internal alterations made; cost, $3,500; owner, Henry Weitzel, 890 Willoughby Ave.; architect, H. Vollweiler, 486 Hart St.

Oakland St., No. 78, two-st'y frame dwell., gravel roof, two-st'y stone extension, gravel roof; cost, $3,400; owner, James Clifford, 78 Oakland St.; architect, Fred Weber, 209 Manhattan Ave.

Hoyt St., s w cor. Bergen St., three-st'y brick store and dwell., tin roof, three-st'y brick extension, tin roof, and internal and other alterations; cost, $10,000; owner, Mrs. Maria Boehme, Bergen St., cor. Hoyt St.; architect, Charles Werner, Garfield Building.

Ninth St., s e cor. Fourth Ave., three-st'y brick school, tin roof, raised one story; cost, $5,000; owners, Sisters of St. Joseph, Flushing, L. I.; architect, Charles Werner, Garfield Building; builders, P. F. O'Brien & Co., Williamsburgh.

Kent Ave., Nos. 272-274, four-st'y brick factory, gravel roof, raised two stories and internal alterations made; cost, $5,231; owners, Andrew Demarest Seating Co., Kent Ave., near Grand St.; architects, McElfatrick & Son, 1193 Broadway, New York City; builder, J. G. Woodruff, 69 West Third St., L. I.

Clinton Ave., No. 232, three-st'y brick and stone dwell., tin roof, three-st'y brick extension, tin roof, and internal and other alterations; cost, $6,500; owner, Mrs. Chas. Pratt, 222 Clinton Ave.; architect, Wm. B. Tubby, 81 Fulton St., New York City.

Camden, N. J.—*Mt. Vernon St., No.* 119, alterations to brick dwell.; owner, Lizzie Anderson.

Chicago, Ill.—John S. Hart, one st'y addition, 344-348 Fifty-fifth St.; cost, $6,000.

John S. Nelson, three-st'y addition, 508 West Chicago Ave.; cost, $3,000.

Nelson, Morris & Co., one-st'y addition, Forty-second St. and Centre Ave.; cost, $5,500.

Frank Temple, three-st'y addition, 694 Wells St.; cost, $4,500.

Otto Ernst, two-st'y addition, 1-3 North Clark St.; cost, $20,000.

Charles Tweed, one-st'y addition, 1770 Wrightwood Ave.; cost, $3,000.

Mary Kelly, two-st'y addition, 125 Gurley St.; cost, $3,700.

New York, N. Y.—*West Seventy-second St., No.* 305, four-st'y brick dwell., internal alterations; cost, $5,000; owner, Maria Garlie, 305 West Seventy-second St.; architect, P. H. J. Krueder, 301 West One Hundred and Twenty-ninth St.

West Fifty-second St., No. 48, four-st'y brick dwell., internal alterations, etc.; cost, $12,000; owner, Julia I. Ripley, 23 West Fifty-seventh St.; architect, Henry Otis Chapman, 132 West Twenty-third St.

East Thirty-fourth St., No. 59, four-st'y brick dwell., internal alterations; cost, $25,200; owner, Pamela Dean, 19 East Thirty-fourth St.; architect, Geo. Martin Huss, 1235 Broadway.

One Hundred and Forty-first St., n s, 150' e Harlem R. R., three-st'y brick dwell., extension and interior changes; cost, $8,000; owner, Robert

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BUILDING INTELLIGENCE.

J. Hoguet, One Hundred and Forty-first St. and Hudson River; architect, Joseph H. Maguire, 171 Broadway.

Seventh Ave., s w cor. One Hundred and Twenty-eighth St., five-st'y brick flat, extension and interior alterations; cost, $3,500; owner, John H. Butt, 708 Union St., Brooklyn; architect, J. E. Terhune, 47 Liberty St.

Third Ave., n e cor. Ninth St., four-st'y brick flat, interior changes; cost, $3,000; owner, Paul S. Brown, 46 Tompkins Place; architect, T. Baylies, 51 and 52 Bible House.

Bowery, No. 87, and Christie St., five-st'y brick store, internal alterations; cost, $6,000; owner, Robert Ogden Goelet, 591 Fifth Ave.; architect, Morgan M. O'Brien, Grand Central Depot, Forty-second St.

East Forty-sixth St., Nos. 354-336, four-st'y brick store, extension and interior alterations; cost, $25,000; owner, Thomas Conville, 145 East Forty-fifth St.; architect, Otto C. Wolf, 543 Fifth Ave.

Eleventh Ave., n e cor. Eighty-second St., two-st'y brick school, internal alterations; cost, $10,000; owner, New York City, City-Hall; architect, C. B. J. Snyder, 146 Grand St.

Thirteenth St., Nos. 141-145, two-st'y brick church, internal alterations; cost, $6,000; owner, Thirteenth St. Presbyterian Church, 328 West Twenty-eighth St.; architect, Peter Paret, 240 West Twenty-seventh St.

Philadelphia, Pa.—Work will be commenced shortly on additions and alterations to the Merciful Saviour Hospital; architect, George T. Pearson, 427 Walnut St.

Fairmount Ave., cor. Sixth St., alteration of store and dwell. into United States sub-post-office; architect, John F. Stuckert, 524 Walnut St.

Jefferson St., cor. Eighteenth St., two-st'y brick and stone addition to the hospital and home of the Little Sisters of the Poor; architect, E. F. Durang, Chestnut St., s w cor. Twelfth St.

Mantua Ave., cor. Belmont Ave., alterations and and additions to dwells.; owners, Spence & Weeks; architect, W. Frisbey Smith, n e cor. Arch and Broad Sts.

APARTMENT-HOUSES.

Boston, Mass.—*Walnut Ave.*, near School St., Ward 23, three-st'y brick apartments, flat roof, 54' x 107.4', for Home for Aged Couples; builder, J. Y. Mainland.

St. Botolph St., No. 84, cor. Follen St., Ward 11, four-st'y brick apartments, flat roof, 24' x 55'; owner, W. H. Henderson; builder, W. Bassett.

Follen St., Nos. 7-23, Ward 11, 9 four-sty brick apartments, flat roofs, 20' x 53'; owner, W. H. Henderson; builder, W. Bassett.

St. Botolph St., Nos. 86-92, Ward 11, 4 four-st'y brick apartments, flat roofs, 24' x 55'; owner, W. H. Henderson; builder, W. Bassett.

Chicago, Ill.—Frank Dalton, two-st'y flats, 8046 Ontario Ave.; cost, $3,000.

Otto Stumpf, two-st'y flats, Perry St., near Berton St.; cost, $3,600.

B. Eckstadt, three-st'y flats, 590 Racine Ave.; cost, $6,500.

Charles Reiling, two-st'y flats, 2215 Ashland Ave.; cost, $3,000.

August Hibbinder, three-st'y flats, 743 Jefferson St.; cost, $5,000.

John Schenke, two-st'y flats, 626 Holt Ave.; cost, $3,000.

J. Mansfield, three-st'y flats, 2934 La Salle St.; cost, $7,000.

Frank Hack, two-st'y flats, 796 Fairfield Ave.; cost, $4,000.

Dr. Henry J. Reynolds, three-st'y flats, Fifty-third St. and Cottage Grove Ave.; cost, $300,000.

A. E. Kesler, two-st'y flats, 350 Chestnut St.; cost, $4,000.

J. T. Bunting, six-st'y flats, 368-378 Sacramento Ave.; cost, $30,000.

Susan M. Krucker, three-st'y flats, 420 East Chicago Ave.; cost, $60,000.

John Weber, three-st'y flats, 228 Garfield Ave.; cost, $4,000.

M. Heitz, three-st'y flats, 530 Kedzie Ave.; cost, $3,000.

Mrs. L. Nelson, three-st'y flats, 314 Fifty-fifth St.; cost, $5,000.

C. Caspar, four-st'y flats, 294 Twenty-third St.; cost, $4,000.

Fred Eggert, two-st'y flats, 1015 Thirty-fourth St.; cost, $22,000.

Annie Schergan, two-st'y flats, 73 Hudson St.; cost, $4,000.

William Krouse, three-st'y flats, 397 Sheffield Ave.; cost, $6,000.

A. B. Hartman, three-st'y flats, 4353 Berkeley Ave.; cost, $10,000.

A. Ahan, three-st'y flats, 3253 Fifth Ave.; cost, $8,000.

C. E. Forsburg, two-st'y flats, 3235 Fifth Ave.; cost, $4,500.

Henry Hoepe, two-st'y flats, 317 Wabansia St.; cost, $3,000.

Joseph Lennons, 2 three-st'y flats, 7237-7239 South Chicago Ave.; cost, $4,500.

John Branchfield, 2 three-st'y flats, 458-460 Sixty-third St.; cost, $10,000.

Jane Pike, two-st'y flats, 4543-4545 Champlain Ave.; cost, $3,600.

J. R. Henrice, 2 five-st'y flats, 265-267 East Huron St.; cost, $26,000.

William Seipe, three-st'y flats, 2800 South Park Ave.; cost, $6,000.

J. Wick, two-st'y flats, 1224 West Congress St.; cost, $3,500.

Mrs. Katie Kalvelage, two-st'y flats, 26 Carl St.; cost, $6,000.

Jacob Koch, four-st'y flats, 85 Locust St.; cost, $8,000.

Thomas O'Hara, 2 three-st'y flats, 532-534 Twenty-eighth St.; cost, $12,000.

Joseph Sewart, three-st'y flats, 3103 Uhlman St.; cost, $6,000.

Mrs. Mary McDonald, four-st'y flats, 177 Dearborn Ave.; cost, $15,000.

J. M. Johnson, three-st'y flats, 472 Cleveland Ave.; cost, $3,600

H. W. Slodelman, three-st'y flats, 209 Bissell St.; cost, $4,000.

Henry De Gau, two-st'y flats, 70 Clifton Ave.; cost, $4,000.

John Peterson, two-st'y flats, 755 Rockwell St.; cost, $3,000.

M. O. Tremain, 2 two-st'y flats, 241-243 West Adams St.; cost, $8,000.

Edward Hagen, two-st'y flats, 1690 Wellington Ave.; cost, $9,000.

H. F. Huestis & Co., 2 three-st'y flats, 4455-4457 Oakenwald Ave.; cost, $10,000.

Wallace L. De Wolf, 7 two-st'y flats, 246-254 West Adams St.; cost, $12,000.

Julius Ecker, two-st'y flats, 660 Washtenaw Ave.; cost, $3,500.

R. Albrecht, three-st'y flats, 780 Dudley St.; cost, $4,800.

J. N. Skurof, three-st'y flats, 738 North Ave.; cost, $7,000.

James Stafford, three-st'y flats, 4851 St. Laurence Ave.; cost, $3,000.

George W. Teal, 2 three-st'y flats, 4318-4320 St. Lawrence Ave.; cost, $3,000.

Ella Mark, two-st'y flats, 6649 Greenwood Ave.; cost, $3,500.

Joseph Dupliey, 6 three-st'y flats, 483-489 Forty-eighth St.; cost, $30,000.

Charles Schultz, three-st'y flats, 529 Cleveland Ave.; cost, $12,000.

James Putneck, two-st'y flats, 37 Marquat St.; cost, $4,000.

James Slivka, three-st'y flats, 149 West Nineteenth St.; cost, $5,000.

Frank Werne, three-st'y flats, 233 West Taylor St.; cost, $3,000.

Peter Petz, three-st'y flats, 419 Morgan St.; cost, $5,000.

H. C. Caldwell, 2 three-st'y flats, 319-323 Sixty-third St.; cost, $15,000.

John Christman, 2 two-st'y flats, 4168-4170 Wallace St.; cost, $5,000.

Gustave A. Busse, four-st'y flats, 151-153 Goethe St.; cost, $15,000.

Henry Krueger, 2 two-st'y flats, 291-293 West Division St.; cost, $12,000.

J. H. Martin, 2 three-st'y flats, 722-724 Forty-fourth St.; cost, $14,000.

John Johnston, three-st'y flats, 127 Ninety-first St.; cost, $3,500.

J. W. Busch, three-st'y flats, 6022 Wabash Ave.; cost, $4,500.

B. Schmetzer, two-st'y flats, 108 Spring St.; cost, $3,000.

John Baker, three-st'y flats, 2012 Wilcox Ave.; cost, $3,500.

M. Hoffman, two-st'y flats, 509 Oakley Ave.; cost, $5,000.

C. Benat, two-st'y flats, 3020 Wallace St.; cost, $3,500.

C. Smidmacher, two-st'y flats, 535 Perry Ave.; cost, $3,500.

L. P. Hammond & Co., 4 two-st'y flats, 552-556 Berencis Ave.; cost, $7,200.

W. H. Chadwick, 2 three-st'y flats, 1812-1814 Belmont Ave.; cost, $22,000.

James Jones, two-st'y flats, 856 Warren Ave.; cost, $7,000.

S. Ert, three-st'y flats, 685 South Ashland Ave.; cost, $7,000.

Joseph Domek, two-st'y flats, 35 Sloan St.; cost, $4,000.

William Huntzmeri, three-st'y flats, 437 Frey St.; cost, $8,000.

Frank Anderman, two-st'y flats, 1165 Congress St.; cost, $3,500.

Livingstone Bros., 3 three-st'y flats, 3400-3406 South Park Ave.; cost, $30,000.

Maggie McNamara, three-st'y flats, 3721 La Salle St.; cost, $5,500.

Mrs. Ella H. Faick, 2 four-st'y flats, 478-480 Lincoln Ave.; cost, $25,000.

J. A. Almquist, two-st'y flats, 6511 Maryland Ave.; cost, $3,200.

August Watter, two-st'y flats, 4575 Lake Ave.; cost, $5,000.

John Mund, four-st'y flats, 194 East North Ave.; cost, $12,000.

Louis Drews, three-st'y flats, 499 Twenty-ninth St.; cost, $4,400.

Martin Hildenbach, three-st'y flats, 790 Davis St.; cost, $3,700.

W. N. Consand, two-st'y flats, 7430 May St.; cost, $6,000.

F. Penhallegon, two-st'y flats, 7023 Wentworth Ave.; cost, $5,000.

J. V. A. Weaver, three-st'y flats, 216 South California Ave.; cost, $6,000.

W. Hulka, three-st'y flats, 116 Newberry Ave.; cost, $4,200.

(*Continued on page* xx.)

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William Godemath, 2 four-st'y flats, 28-30 Sigel St.; cost, $6,000.

Conrad Fleischman, two-st'y flats, 57 Alexander St.; cost, $4,500.

Mrs. B. Brayton, three-st'y flats, 448 Forty-first St.; cost, $4,000.

George Bauch, two-st'y flats, 4937 St. Lawrence Ave.; cost, $5,000.

Elliott M. Sproul, 2 three-st'y flats, 359-361 Sixty-fifth St.; cost, $17,000.

A. Hottinger, three-st'y flats, 618 Sheffield Ave.; cost, $8,000.

E. D. Murray, 3 three-st'y flats, 7007-7009 St. Lawrence Ave.; cost, $15,000.

Frank Vosta, three-st'y flats, 478 West Twentieth St.; cost, $5,300.

William Fenner, three-st'y flats, 18 Bissell Ave.; cost, $7,000.

Charles Schmidt, 2 three-st'y flats, 214-216 Blackhawk St.; cost, $5,000.

John Bentner, four-st'y flats, 702-704 Loomis St.; cost, $9,000.

Theodore Greffel, two-st'y flats, 311 Southport Ave.; cost, $3,000.

Herman Wichman, two-st'y flats, 1225 Mariana St.; cost, $3,000.

C. Boungaster, 2 three-st'y flats, 6418-6420 Stewart Ave.; cost, $8,000.

U. Campbell, two-st'y flats, 610 Fifty-fifth St.; cost, $3,000.

George Bose, two-st'y flats, 1041 George St.; cost, $3,000.

Watson Rich, three-st'y flats, 673 West Chicago Ave.; cost, $6,000.

L. Newman, 3 three-st'y flats, 3653-3659 Dearborn St.; cost, $10,000.

Edward Reddy, 2 two-st'y flats, 4434-4436 Indiana Ave.; cost, $12,000.

Martin Leonard, two-st'y flats, 3448 Superior Ave.; cost, $3,000.

John M. McGarrie, 3 three-st'y flats, 4821-4825 St. Laurence Ave.; cost, $20,000.

E. Duplicey, three-st'y flats, 4438 Champlain Ave.; cost, $5,000.

P. F. Ryan, 2 three-st'y flats, 5475-5477 Kimbark Ave.; cost, $12,000.

Mrs. H. M. Beers, four-st'y flats, 5478 Monroe St.; cost, $15,000.

J. W. Sheridan, four-st'y flats, Madison and Oakley Sts.; cost, $25,000.

Michael Reitz, two-st'y flats, 554 Albany St.; cost, $3,000.

L. Rhodemacher, two-st'y flats, 248 Wilmette St.; cost, $3,000.

Mrs. A. Williams, two-st'y flats, 348 Warren Ave.; cost, $5,000.

J. Samuel, three-st'y flats, 417 West Taylor St.; cost, $5,000.

Alexander Feder, two-st'y flats, 3626 Fifth Ave.; cost, $3,000.

J. H. Brayton, three-st'y flats, 3559 Vincennes Ave.; cost, $10,000.

Martin Lewis, 4 two-st'y flats, 1138-1144 Dunning St.; cost, $13,0 0.

Klenghs & Richter, 2 two-st'y flats, 1808-1810 Oakdale St.; cost, $10,000.

R. S. Howell, three-st'y flats, 4461 Oakenwald Boulevard; cost, $6,000.

Mart Darscheid, three-st'y flats, 3851 Commercial Ave.; cost, $5,000.

Osmond Tohroson, four-st'y flats, 160 North Peoria St.; cost, $10,000.

H. W. Tulgam, three-st'y flats, 367 Bowen Ave.; cost, $8,500.

A. McIntosh, 2 four-st'y flats, 444-446 Fifty-sixth St.; cost, $20,000.

August Bloom, three-st'y flats, 782 Sixty-third St ; cost, $3,800.

W. H. Moore, 3 three-st'y flats, 5127-5134 Washington Ave.; cost, $54,000.

William McGuire, 2 two-st'y flats, 199-201 Washington Ave.; cost, $5,000.

George F. Harding, three-st'y flats, 75 Walton St.; cost, $8,000.

O. B. Jacobson, 2 two-st'y flats, 746-748 Turner Ave.; cost, $5,000.

H. F. Warte, 2 four-st'y flats, 2417-2419 Wabash Ave.; cost, $20,000.

Richard Barnett, three-st'y flats, 248 Burling St.; cost, $5,000.

Ole Ellerton, two-st'y flats, 135 Humbolt St.; cost, $3,000.

Louis Larson, four-st'y flats, 148 Sedgewick St.; cost, $6,000.

Andrew Anderson, three-st'y flats, 342 Hudson Ave.; cost, $5,000.

E. D. Murry, Jr., four-st'y flats, South Chicago Ave., near Cottage Grove Ave.; cost, $9,000.

C. Alstrom, two-st'y flats, 1108 Fifty-ninth St.; cost, $5,000.

Fred Soeffker, three-st'y flats, 1340 Oakdale Ave.; cost, $6,000.

Mrs. E. Taylor, three-st'y flats, 4318 Langley Ave.; cost, $10,000.

A. A. Abbott, four-st'y apartment-house, 465-497 Bowen Ave.; cost, $30,000.

J. L. Thacker, 6 four-st'y flats, 4253-4259 State St. and 781-783 Forty-third St.; cost, $80,000.

Morris Sliney, two-st'y flats, 7349 Everars Ave.; cost, $3,100.

George F. Harding, 2 three-st'y flats, 6625 State St.; cost, $8,000.

T. F. Lagger, 2 three-st'y flats, 6453-6455 Sherman St.; cost, $10,400.

J. D. Corbett, three-st'y flats, 1244 Lill Ave.; cost, $7,500.

R. Bram, 2 two-st'y flats, 1985 Ashland Ave.; cost, $3,200.

George Walker, two-st'y flats, 3247 Union Ave.; cost, $9,000.

S. McConnell, 2 two-st'y flats, 247-249 Seventy-third St.; cost, $7,000.

Fred Almanraider, two-st'y flats, 1335 Newport Ave.; cost, $3,000.

Peter Falkbein, three-st'y flats, 3000 Fifth Ave.; cost, $5,000.

Carl Elian, two-st'y flats, 16 San Francisco Ave.; cost, $6,000.

John Lindholm, four-st'y flats, 92 Townsend St.; cost, $10,000.

Ludwig Ledd, 2 three-st'y flats, 1073-1074 Jackson St.; cost, $14,000.

Jacob Bauer, three-st'y flats, 822 Davis St.; cost, $8,200.

John P. Ralteux, three-st'y flats, 717 Western Ave.; cost, $9,000.

N. P. Cummings, three-st'y flats, Fiftieth St. and Forrestville Ave.; cost, $4,000.

A. F. Hussander, three-st'y flats, 1470 Halsted St.; cost, $5,000.

New York, N. Y. — *One Hundred and Fifth St.*, s s, 150′ w Eighth Ave., five-st'y flat, tin roof; cost, $18,000; owner, John Yull, 134 West Ninety-sixth St.; architect, Charles S. Clark, 719 East One Hundred and Seventy-seventh St.

Madison St., Nos. 129-131, 2 five-st'y brick flats, tin roofs; cost, $40,000; owners, Loonie & Parker, 115 East Eighty-ninth St.; architect, Charles Rentz, 153 Fourth Ave.

Madison St., No. 166, five-st'y brick flat, tin roof; cost, $23,000; owners, Weil & Mayer, 227 East Sixtieth St.; architects, Schneider & Herter, 48 Bible House.

Fifty-seventh St., n s, 300′ w Seventh Ave., seven-st'y brick flat, tin roof; cost, $125,000; owners and architects, Horgan & Slattery, 155 East Forty-ninth St.

Stanton St., Nos. 206-212, 3 six-st'y brick flats, tin roofs; cost, $66,000; owner, Charles Ruff, 228 East Tenth St.; architects, Kurtzer & Rohl, cor. Seventh St. and Third Ave.

Thirty-second St., n s, 266′ 9″ w Ninth Ave., five-st'y brick flat, tin roof; cost, $24,000; owner, Thos. McQuade, 216 East Ninety-ninth St.; architect, John C. Burne, 1531 Third Ave., cor. Eighty-sixth St.

Thirty-second St., n s, 250′ w Ninth Ave., five-st'y brick flat, tin roof; cost, $18,000; owner, Thomas McQuade, 216 East Ninety-ninth St.; architect, John C. Burne, 1531 Third Ave.

East Broadway, No. 251, five-st'y brick flat, tin roof; cost, $25,000; owner, James Nealis, 251 East Broadway; architects, Graul & Frohme, 215 Bowery.

Forty fifth St., s s, 130′ e Third Ave., five-st'y brick flat, tin roof; cost, $26,000; owner, William F. Rohrig, 304 Seventh Ave.; architect, John Hauser, 1441 Third Ave.

Forty-third St., n s, 150′ e Eighth Ave., five-st'y brick flat, tin roof; cost, $18,000; owner, Wm. J. Moore, 516 West Fifty-second St.; architect, George Keister, 146 West Thirty-fourth St.

West Eighteenth St., No. 341, five-st'y brick flat, tin roof; cost, $17,000; owner, Wm. J. Moore, 516 West Fifty-second St.; architect, George Keister, 146 West Thirty-fourth St.

Willett St., No. 81, five-st'y brick flat, tin roof; cost, $20,000; owners, Brose & Rentz, 74 Second Ave.; architect, Charles Rentz, 153 Fourth St.

One Hundred and Twenty-sixth St., s s, 75′ e Grand Boulevard, 4 five-st'y brick flats, tin roofs; cost, $80,000; owner, Thomas J. Robinson, 2064 Seventh Ave.; architect, John C. Burne, 101 West Forty-second St.

Eighty-ninth St., s s, 100′ w Second Ave., *and Eighty-ninth St.*, n s, 100′ e Second Ave., 6 five-st'y brick flats, tin roofs; cost, $120,000; owner, John J. Feehan, 1113 Second Ave.; architect, John C. Burne, 1531 Third Ave.

Fifth-seventh St., n s, 300′ w Seventh Ave., seven-st'y brick flat, tin roof; cost, $125,000; owners and architects, Horgan & Slattery, 155 East Forty-ninth St.

Amsterdam Ave., n w cor. One Hundred and Forty-second St. and n e cor. Hamilton Pl. and West One Hundred and Forty-second St., five-st'y brick flat, tin roof; cost, $25,000; owner, Mary E. Stevens, 608 West One Hundred and Forty-seventh St.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

One Hundred and Sixteenth St., s s, 25′ e Park Ave., 2 six-st'y brick flats, tin roofs; cost, $120,000; owner, William J. Mathews, 208 Woodworth Ave., Yonkers, N. Y.; architect, John C. Burne, 101 West One Hundred and Forty-second St.

West One Hundred and First St., five-st'y brick flat, tin roof; cost, $20,000; owner, Patrick Canavan, 134 West One Hundred and First St.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

West Twenty-first St., No. 312, five-st'y brick flat, tin roof; cost, $18,000; owner, Mary E. Kelly, 313 West Twenty-first St.; architects, Neville & Bagge, 250 West One Hundred and Twenty-fifth St.

Montgomery St., Nos. 36 and 38, 2 five-st'y brick flats, tin roofs; cost, $38,000; owners, Weil & Mayer, 227 East Sixtieth St.; architect, Geo. F. Pelham, 1481 Broadway.

Somerville, Mass.—*Highland Ave.*, cor. Vinal Ave., three-st'y brick and stone apartments, flat roof, 82′ x 91′; owner, J. O. Hobbs; builders, Coon & Hall; architect, Samuel D. Kelley.

CHURCHES.

Boston, Mass. — *Centre St.*, cor. Mozart St., Ward 23, frame church, 51.6′ x 69.6′, for Baptist Church Union.

Brooklyn, N. Y. — *Seventh St.*, n w cor. Seventh Ave., one-st'y brick church, slate roof; cost, about $45,000; owners, the rector, warden and vestrymen of All Saints Church, Seventh Ave. and Seventh St.; architect, John Welch, 424A Halsey St.

Chicago, Ill. — Catholic Church of Ravenswood, church, 2705-2711 Ashland Ave.; cost, $5,000.

St. Bonaventina Church, brick and stone, Queen City Ave., w Harrison Ave.; cost, $3,000; architects, Rieg & Marty.

Cincinnati, O.—Sisters of Notre Dame, brick and stone chapel, Grandin Road; cost, $25,000; architect, E. F. Durang.

Detroit, Mich.—August Fritz, frame church, 371 Humboldt Ave.; cost, $6,000.

New York, N. Y. — *Forsyth St., Nos.* 20-22, two-st'y brick synagogue, peaked roof; cost, $60,000; owner, Kol Israel Ausch Poland Congregation, 219 Henry St.; architects, Schneider & Herter, 48 Bible House.

FACTORIES.

Boston, Mass. — *Washington St., No.* 1814, *rear*, Ward 18, one-st'y brick factory, flat roof, 24.6′ x 32′; owner, Thomas Kingsbury; builders, Wilson Bros.

Harcourt St., near St., near St. Botolph St., Ward 11, four-st'y brick factory, flat roof, 60′ x 78′; owner, G. A. Smith; builder, C. F. Marr.

Chicago, Ill. — Fred Visa, five-st'y factory, 617-621 Austin Ave.; cost, $40,000.

New York, N. Y. — *Bowery, No.* 344, six-st'y brick factory, tin roof; cost, $32,000; owners, Henry and Charles Dahnke, 157 East Ninety-second St.; architect, Frank Wennemer, 204 East Eighty-sixth St.

Thirty-first St., n s, 230′ 9″ e First Ave., six-st'y brick factory, tin roof; cost, $30,000; owners, The William Wicke Co., Thirty-first St. and First Ave.; architect, J. Kastner, 744 Broadway.

East One Hundred and Twenty-ninth St., Nos. 148, 150, five-st'y brick factory, tin roof; cost, $20,000; owner, Richard G. Greene, 2074 Madison Ave.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

Philadelphia, Pa. — *Filmore St.*, n e cor. Lehigh Ave., four-st'y brick factory; contractor, George W. Stewart, 2536 North Sixth St.

St. John St., w s, s Girard Ave., four-st'y brick factory; contractors, McCartney & Oler, n w cor. Oxford and Front Sts.

HOTELS.

Chicago, Ill. — Wallace De Wolf, four-st'y hotel, 79 West Adams St.; cost, $12,000.

Minneapolis, Minn.—Keller & Roenisch, three-st'y brick hotel, Sixth and Western Aves.; cost, $10,000.

HOUSES.

Baltimore, Md.—Charles Grasley, three-st'y brick building, w s Francis St., bet. Retreat and Kensett Sts.

Dr. W. A. Moale, 5 two-st'y brick buildings, e s Charles St., bet. West and Ostend Sts.

Triede Bros., 6 two-st'y brick buildidgs, e s Carroll St., bet. Stockholm and Cross Sts.

E. L. Oster, three-st'y brick building, s s Orleans St., bet. Central Ave. and Aisquith St.

G. E. Warfield, 17 three-st'y brick buildings, e s McCulloh St., beg. s e cor. Bloom St.

J. B. Hihn, 2 three-st'y brick buildings, n s Gough St., beg. n e cor. Durham St.

E. Brady & Son, 6 two-st'y brick and frame buildings, beg. cor. York Road and Eleventh St.

Patrick Fahey, 2 three-st'y brick buildings, 124-126 w s Schroeder St.

W. P. Price *et als.*, 3 two-st'y brick buildings, w s Burke St.; and 3 two-st'y brick buildings, e s Bradford Alley, bet. Monument and McElderry Sts.

Boston, Mass. — *Hammett Ave.*, near Weston St., Ward 19, 4 four-st'y brick dwells., flat roofs, 22′ x 38′; owner, J. J. McNamara; builder, James Fagan.

Tremlett Park, near Hooper St., Ward 24, frame dwell., 29′ x 44′; owner, W. A. Morris; builder, J. R. Oliver.

Unnamed st., near Cedar St., Ward 24, frame dwell., 20′ x 40′; owner and builder, W. Jamieson.

Sagamore St., No. 10, Ward 24, frame dwell., 26.2′ x 46.4′; owner, Emma L. Parker; builder, T. J. Byrne.

Fenton Place, near Greenwich Place, Ward 24, frame dwell., flat roof, 24′ x 54′; owner, Michael Finnegan; builder, M. Byan.

Magnolia St., No. 205, Ward 24, frame dwell., 25′ x 36′; owner, Fanny F. Sevey; builder, Henry Ford.

Lincoln St., near Adams St., Ward 24, frame dwell. and store, flat roof, 21′ x 29′; owner and builder, Antonio Zottola.

Buckley Ave., near Johnson Ave., Ward 23, frame dwell., 24′ x 36′; owner and builder, T. F. Young.

Centre St., near Corey St., Ward 13, frame dwell., 24′ x 45′; owner, W. R. De Luc; builder, C. R. Barstow.

Brookford St., Nos. 40-42, Ward 20, two frame dwells., one flat, one pitch roof, 23′ x 52′; owner and builder, G. A. Clifford.

Maywood St., Nos. 14-16, Ward 21, 2 three-st'y frame dwells., flat roofs, 21.6′ x 62′; owner and builder, Lorenzo Vose.

West Broadway, Nos. 144-148, Ward 14, 3 two-st'y frame dwells. and stores, flat roofs, about 20′ x 40′; owner, Susan J. Merrill; builder, W. T. Eaton.

Haynes St. No. 32, Ward 2, three-st'y frame dwell., flat roof, 22′ x 35′; owner, Samuel Treadwell; builder, C. E. Day.

Edge Hill St., Nos. 5-26, Ward 22, 18 frame dwells., each about 25′ x 26′; owners, Workingmen's Building Association; builder, G. W. Pope.

Michigan Ave., near Erie St., Ward 24, frame dwell., 22.6′ x 55′; owner, J. T. O'Lalor; builder, W. J. Mabie.

Waterloo St., near Harvard St., Ward 24, frame dwell., 24′ x 40′; owner, E. K. Hanscom; builder, G. L. Davidson.

Westville St., near Ditson St., Ward 24, frame dwell., 22′ x 46′; owner, Masey C. Towle; builder, C. R. Barstow.

Kenwood St., near Washington St., Ward 24, frame dwell., hip roof, 25.6′ x 36.4′; owner and builder, J. J. Baker.

Washington St., cor. Bradlee St., Ward 24, frame dwell., hip roof, 32.6′ x 37.6′; owner, J. P. B. Carlton; builder, D. G. Squire.

Morse St., cor. Bowdoin Ave., Ward 24, frame dwell., 28.10′ x 33.3′; owner, H. G. Naber; builders, Sittig Bros.

Farquhar St., near Centre St., Ward 23, frame dwell., 24′ x 30′; owner, J. W. Chamberlain; builders, J. A. Vickery & Son.

Guernsey St., near South St., Ward 23, frame dwell., 22′ x 38′; owner, B. F. Cobleigh, Jr.; builder, M. A. Blanchard.

Carl St., near Kirk St., Ward 23, frame dwell., 23.6′ x 30′; owner, C. B. Botsford; builder, M. A. Blanchard.

Boston St., cor. Albright St., Ward 24, frame dwell., 24′ x 27.6′; owner, Annie E. Bradbury; builder, L. Seldner.

Codman St., cor. Wessex St., Ward 24, frame dwell., 27′ x 38′; owner, H. S. Carruth; builder, B. Hamilton.

Brook St., cor. Hill St., Ward 23, frame dwell., 22′ x 32′; owner, A. Oberlander; builder, W. S. Mitchell.

Shenandoah St., Nos. 5-11, Ward 24, five frame dwells., 27′ x 35.6′, 28′ x 32.6′, 28′ x 34′, 27′ x 30′; owner, H. S. Carruth; builder, B. Hamilton.

Brentwood St., near Athol St., Ward 25, two frame dwells., 22.2′ x 43.4′; owner, John Davenport; builder, C. H. Hampton.

River St., near Idaho St., Ward 24, frame dwell. and store, 40′ x 47′; owner, Michael Fallon; builders, J. A. Tucker & Son.

Blue Hill Ave., No. 66, cor. Moreland St., Ward 20, four-st'y frame dwell., flat roof, 23′ x 60.6′; owner, F. W. Kittredge; builders, J. S. Ourish & Co.

Day St., near Minden St., Ward 22, three-st'y frame dwell., flat roof, 24′ x 47′; owner, John McCarthy.

Smith St., No. 117, Ward 22, three-st'y frame dwell., flat roof, 18′ x 51′; owner, Michael Griffin.

Harbor View St., near Spring Garden St., Ward 24, frame dwell., 28′ x 46′; owner, Peter Lobinskytos; builder, Wm. Fennell.

Trenton St., No. 153, Ward 1, three-st'y frame dwell., flat roof, 21′ x 60′; owner, L. Burnham; builder, W. Goodwin.

Falcon St., near Glendon St., Ward 1, three-st'y frame dwell., flat roof, 21′ x 51.6′; owner and builder, Albion Johnson.

Clifton St., near Hudson St., Ward 20, three-st'y frame dwell., flat roof, 21′ x 45′; owner, Robert Roulston; builder, Herman Drake.

Maywood St., near Warren St., Ward 21, three-st'y frame dwell., flat roof, 30′ x 48.6′; owner and builder, J. P. Powers.

Saratoga St., No. 746, Ward 1, three-st'y frame dwell., flat roof, 24′ x 52′; owner, John Cronin; builder, W. Goodwin.

Germania St., near Baker St., Ward 23, 2 three-st'y frame dwells., flat roofs, 25′ x 51′; owners, John Maguire and P. C. Travers; builder, T. J. Tobin.

Lanark Road, rear, near Beacon St., Ward 25, frame dwell., 41.10′ x 44.4′; owner, Dana Estes; builders, J. H. Proctor & Co.

Westford St., near Raymond St., Ward 25, four frame dwells., 19′ x 30.6′; owner, John Evans; builders, Alcock & McKee.

Arlington St., near Market St., Ward 25, frame dwell., 24′ x 38′; owner, Patrick McDonald; builder, Thomas Brennan.

Unnamed st., from Webster Ave., near Cambridge St., Ward 25, frame dwell., hip roof, 26.4′ x 45.8′; owner, S. B. Shapleigh; builder, A. E. Ellis.

Murdock St., near Hill St., Ward 25, 7 three-st'y frame dwells., gambrel, hip and pitch roofs, 25′ x 30′; owner, Mary L. Hunt; builder, A. J. Needham.

Walden St., No. 55, Ward 22, three-st'y frame dwell., flat roof, 21.10′ x 40.4′; owner, Michael Riley; builders, McDonald & Co.

Aswaun Ave., near Park St., Ward 23, two frame dwells., 20′ x 41′; owner, Frederick Frey; builder, W. S. Mitchell.

Blue Hill Ave., cor. Winthrop St., Nos. 48-52, Ward 20, 3 three-st'y brick dwells., flat roofs, about 20′ x 69′; owner, Christopher Blake; builder, M. McLaughlin.

Kent St., near Roxbury St., Ward 19, two frame dwells., 22′ x 39.6′; owner, M. J. O'Brien.

Falcon St., near Putnam St., Ward 1, frame dwell., hip roof, 21′ x 45′; owner, Amelia E. Erskine; builder, D. D. Fish.

Glen Road, near Harvard St., Ward 24, frame dwell., 24′ x 36′; owner, M. T. Cook; builders, W. H. Haddock & Co.

Howell St., near Boston St., Ward 15, three-st'y frame dwell., flat roof, 22′ x 30′; owner and builder, M. F. Curtin.

Dunboy St., nearly opp. Webster St., Ward 25, two-st'y frame dwell., hip roof, 28.10′ x 41.10′; owner, H. F. Prince; builder, G. F. Bourne.

Hemlock St., near Washington St., Ward 23, frame dwell., 22′ x 32′; owner and builder, S. H. Whittaker.

Fairview St., nearly opp. Proctor St., Ward 23, frame dwell., 25.2′ x 48.6′; owner, George Roberts; builder, J. A. Robertson.

Hall St., near South St , Ward 23, frame dwell., 24′ x 43′; owner, Mrs. M. E. Carson; builder, J. F. Sullivan.

Washington St., cor. West Walnut Park, Ward 23, 2 three-st'y frame dwells. and stores, flat roofs, 25′ x 50′; owners, Boston Real Estate Association.

Washington St., No. 3149, Ward 23, three-st'y frame dwell., pitch roof, 23.4′ x 44.4′; owner, John Shilliday; builders, McEacham & Johns.

Cromwell St., Nos. 18-26, Ward 11, 5 three-st'y brick dwells., flat roofs, 20′ x 39′; owner and builder, T. R. White.

Dean Ave., near Howard Ave., Ward 20, three-st'y frame dwell., flat roof, 24′ x 42′; owner, Catherine Dolan; builder, G. S. Bell.

Boylston St., near Washington St., Ward 23, three-st'y frame dwell., flat roof, 23.6′ x 45′; owner, A. F. Quigley; builders, McEacham & Johns.

Dalmatia St., near Howard Ave., Ward 20, three-st'y frame dwell., flat roof, 22′ x 37′; owner, John Kiley; builder, A. McKay.

Bumstead Lane, Nos. 51-53, Ward 22, 2 three-st'y frame dwells., flat roofs, 20′ x 44′; owner, S. L. Ward; builder, W. T. Eaton.

Saratoga St., near Winthrop Bridge, Ward 1, two frame dwells., 21′ x 28′; owner, George Barker; builder, G. C. Doyle.

Brent St., No. 51, Ward 24, frame dwell., 27′ x 39.11′; owner and builder, Wm. Peard.

Roslin St., near Harley St., Ward 24, three-st'y frame dwell., hip roof, 29.6′ x 42′; owner, W. H. Preston; builder, S. L. Sulis.

Walton St., near Harley St., Ward 24, three-st'y frame dwell., pitch roof, 30.6′ x 37.6′; owner, D. F. Hartford; builders, Bailey & Hargedon.

Adams St., nearly opp. Richmond St., Ward 24, frame dwell., 26′ x 42′; owner, Thomas Collins; builder, A. J. Brennan.

Shirley St., near Dudley St., Ward 24, three-st'y frame dwell., flat roof, 26′ x 55′; owner, P. J. Ducey; builder, L. S. Boulter.

Knott St., near Selwyn St., Ward 23, frame dwell., 21′ x 25′; owner and builder, J. T. McDonald.

Thornton St., near Guild St., Ward 21, three-st'y frame dwell., flat roof, 26.2′ x 46.2′; owner, Charles Mitchell; builder, J. H. Gigie.

Chestnut Ave., No. 146, Ward 23, three-st'y frame dwell., flat roof, 23′ x 50′; owner, John Bellar; builder, C. Lemmler.

Elmont St., near Harvard St., Ward 24, frame dwell., 22′ x 41.6′; owner, W. McLean; builder, W. J. McLean.

Boynton St., near South St., Ward 23, three-st'y frame dwell., flat roof, 24′ x 40′; owner, Joseph Latner; builders, R. D. Ward & Co.

Birch St., near Albano St., Ward 23, frame dwell., 25′ x 31′; owner, J. W. Metcalf; builder, John Purdy.

South St., near Walter St., Ward 23, frame dwell., 23.6′ x 40′; owner and builder, Dougal McDonald.

Walter St., near Weld St., Ward 23, frame dwell., 21.4′ x 50.4′; owner, T. H. Kesselhuth; builder, Thomas Tufts.

Townsend St., near Walnut Ave., Ward 21, two frame dwells., 19′ x 42′; owner, G. W. Gregory; builder, J. S. Ourish.

Green St., near Chestnut Ave., Ward 23, frame dwell., 13′ x 46.2′; owner, Mrs. P. R. Sturtevant; builder, J. P. Shaw.

Arundel St., near Selwyn St., Ward 23, frame dwell., 24′ x 24′; owner, Mrs. Inez Whitmore; builder, P. M. Brown.

Perkins St., rear, near Chestnut St., Ward 22, frame dwell., 22′ x 32′; owner, J. Nickerson estate; builder, J. C. Betts.

Garden St., near Murdock St., Ward 25, frame dwell., 25′ x 33′; owner, George Daniels; builder, T. W. Brennan.

Vernon Pl., Western Ave., Ward 25, three-st'y frame dwell., flat roof, 28.10′ x 47.2′; owner, W. A. Wentworth; builder, H. A. Eldridge.

Bradlee St., near School St., Ward 24, frame dwell., 32′ x 37.2′; owner, J. P. B. Carlton; builder, D. G. Squires.

Rossiter St., near Albany St., Ward 24, frame dwell., 21′ x 45′; owner, Mrs. J. A. Ayers; builder, G. D. Grant.

Moreland St., cor. Montrose St., Ward 21, frame dwell., 40′ x 45.8′; owner, F. J. Crosby; builder, H. C. Allen.

Wyman St., near Norfolk St., Ward 23, frame dwell., 20′ x 42′; owner, C. H. Doyer; builder, A. Rogers.

Humbold Ave., near Crawford St., Ward 21, frame dwell., 33.6′ x 38′; owner and builder, J. F. Smith.

Humboldt Ave., near Humboldt St., and cor. Howland St., Ward 21, 2 three-st'y frame dwells., pitch roofs, 34′ x 50′ and 40.7′ x 48′; owner and builder, W. B. Quigley.

Monadnock St., No. 7, Ward 20, frame dwell., hip roof, 27.6′ x 37.6′; owner, Mrs. F. D. Reynolds; builders, Burke Bros.

Douglass St., Nos. 5-11, Ward 15, 2 four and 2 three-st'y frame dwells., flat roofs, 22′ x 36′; owner, Sohn Defren; builder, J. A. Leslie.

Bunker Hill St., Nos. 53-57, Ward 3, 3 four-st'y frame dwells., flat roofs, 21.9′ x 43′; owner, J. H. McCaffrey; builder, Edward Lynch.

Hull St., No. 11, *rear*, Ward 6, three-st'y brick dwell., flat roof, 18′ x 30′; owner, G. Montardo; builders, Orne & Lawrence.

Milton Ave., cor. Fairmount St., Ward 24, frame dwell., 14.2′ x 40′; owner, F. L. Bailey; builder, W. J. Hatch.

Wenham St., near Weldon St., Ward 23, frame dwell., hip roof, 25.6′ x 49.3′; owner, J. H. Cousins; builders, Sittig Bros.

Norfolk St., opp. Stanton St., Ward 24, frame dwell., 36′ x 44′; owner and builder, William Watt.

East Third St., Nos. 366-368, Ward 14, 2 three-st'y frame dwells., flat roofs, 22.6′ x 32′; owners, Mary Kelley *et als.*; builder, F. Williams.

Kent St., near Roxbury St., Ward 19, three-st'y frame dwell., flat roof, 25.4′ x 50.4′; owner, Phillips McCongue.

Cambridge St., near Linden St., Ward 25, frame dwell. and office, 22′ x 26′; owner, C. A. Claflin; builders, J. A. & A. D. Rice.

Buttonwood St., near Locust St., Ward 24, three-st'y frame dwell., flat roof, 20′ x 50′; owner, G. D. Wildes; builder, S. A. Deshon.

Brooklyn, N. Y. — *Jefferson Ave.*, s s, 107′ 6″ e Evergreen Ave., 3 two-st'y frame dwells., tin roofs; cost, $3,000 each; owner, Chas. F. Gastmyer, 623 Evergreen Ave.

Glenmore Ave., n e cor. Williams St., three-st'y frame dwell., tin roof; cost, $5,000; owner, L. Isiemann, Ashford St., near Atlantic Ave.; architect, Louis F. Schillinger, Liberty Ave., cor. Barbey St.

Glenmore Ave., w s, 19′ e Williams Ave., 4 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, L. Isemann, Ashford St., near Atlantic Ave.; architect, Louis F. Schillinger, Liberty Ave., cor. Barbey St.

Glenmore Ave., s s, 75′ e Osborn St., 2 three-st'y dwells., tin roofs; cost, $5,500; owner, Fannie Buly, 80 Hester St., New York City.

Hamburg Ave., e s, 100′ s Suydam St., 2 three-st'y frame dwells., tin roofs; cost, $9,000; owner and builder, John Clement, 153 Hamburg Ave.; architects, D. Acker & Son, 752 Broadway.

De Kalb Ave., s s, 350′ e Central Ave., four-st'y frame dwell., tin roof; cost, $6,000; owner, Fred Haage, De Kalb Ave.; architect, Hugo Smith, 27 Moore St.

Barbey St., w s, 100′ n Blake Ave., two-and-one-half-st'y frame dwell., shingle roof; cost, $3,500; owner, John Kernyon, Gates Ave.; architect, A. J. Warren, Montague St.

Rockaway Ave., w s, 175′ s East New York Ave., three-st'y frame dwell., tin roof; cost, $4,000; owner, Charles Ratner, Belmont Ave. and Osborn St.

Roebling St., w s, 40′ n North Sixth St., 2 three-st'y frame dwells., tin roofs; total cost, $6,500; owner and builder, Wm. S. Collins, 22 Havemeyer St.; architect, J. Smith, 212 North Eighth St.

Willoughby Ave., s s, 360′ e Sumner Ave., 2 three-st'y brick dwells., tin roofs; cost, $7,500; owner, John Auer, 751 Bushwick Ave.

New Jersey Ave., w s, 134′ s Atlantic Ave., two-st'y frame dwells., tin roofs; cost, $3,000; owner, Henry Feuerbach, Atlantic Ave., near Sheffield Ave.; architect, Chas. Meins, 2681 Atlantic Ave.

Etna St., n s, 100′ w Crescent St., two-st'y frame dwell., tin roof; cost, $4,000; owner and builder, Wm. Hoffman, 8 Moore St.; architect, Hugo Smith, 27 Moore St.

First St., n s, 212′ 10″ w Seventh Ave., 3 four-st'y brick dwells., gravel roofs; cost, $18,000 each; owner and builder, J. Mills, 1183 Fulton St.; architects, Langston & Dahlander, 1239 Bedford Ave.

Putnam Ave., s s, 100′ w Lewis Ave., 5 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner and builder, Wm. Gibson, 938 Lafayette Ave.; architects, I. D. Reynolds & Son, 363 Fulton St.

Watkins St., e s, 150′ n Glenmore Ave., 4 three-st'y frame dwells., tin roofs; cost, $5,500; owners and builders, David Axchod & Co., Thatford Ave.

Hull St., s s, 46′ e Bushwick Ave., 3 two-st'y frame dwells., tin roofs; total cost, $7,400; owner, Joseph Payez, Hull St. and Bushwick Ave.; architect, Chas. Infanger, 126 Van Siclen Ave.

Hancock St., s e s, 100′ n Evergreen Ave., 6 two-st'y frame dwells., tin roofs; cost, $3,000; owner, architect and builder, C. D. Hommell, 1064 Hancock St.

St. James Pl, e s, 265′ s Gates Ave., 3 three-st'y brick dwells., tin roofs; cost, $7,000 each; owners, Morris Building Co., 26 Broadway, New York City; architect, Wm. B. Tubby, 81 Fulton St., New York City.

South Fifth St., n s, 25′ e Hooper St., four-st'y brick dwell., tin roof; cost, $8,000; owner and builder, A. A. Cartereau, South Fifth Ave. and Hooper St.; architect, H. W. Billard, 102 Flatbush Ave.

Putnam Ave., s s, 100′ w Lewis Ave., 5 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner and builder, Wm. Gibson, 939 Lafayette Ave.; architects, I. D. Reynolds & Son, 363 Fulton St.

Dean St., s s, 300′ w Nostrand Ave., four-st'y brick dwell., slate and tin roof; cost, $20,000; owner, Nat W. Pratt, 1033 Dean St.; architects, N. Le Brun & Sons, 50 Broadway, New York City.

Arlington Ave., n s, 60′ w Essex St., 3 two-st'y frame dwells., tin roofs; total cost, $6,500; owner, Donaldson Forrest, 252 Arlington Ave.; architect, A. H. Paine, 994 Jefferson Ave.

Monroe St., n e cor. Throop Ave., 3 two-st'y brick dwells., tar and gravel roofs; cost, $10,000; owner, E. Sammis, 167 Monroe St. architect, A. H. Greer, 502 Franklin Ave.

Gold St., w s, 50′ n High St., 2 five-st'y brick dwells., tin roofs; cost, $7,500; owner, Mary E. Lynch, 236 St. John's Pl.; architect, John McClean, 236 St. John's Pl.

Suydam St., s s, 250′ e Central Ave., three-st'y frame dwell., tin roof; cost, $4,200; owner, Conrad Nau, 176 Suydam St.; architect, Th. Engelhardt, 905 Broadway.

Fourth Ave., e s, 80′ n Eleventh St., three-st'y brick dwell., tin roof; cost, $5,000; owner and builder, D. Atkins, 339 Fifteenth St.; architect, W. M. Coots, 26 Court St.

Lexington Ave., n s, 100′ w Lewis Ave., 5 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, T. B. Bryant, 272 Lewis Ave.; architects, I. D. Reynolds & Son, 363 Fulton St.

Jackson St., n s, 150′ e Graham Ave., three-st'y frame dwell., tin roof; cost, $4,800; owner, John H. Schaeffer, 146 Jackson St.; architect, Th. Engelhardt, 905 Broadway; builder, Henry Fuhrberg, Irving Ave., near Bleecker St.

Prospect Pl., s s, 290′ e Underhill Ave., 3 three-st'y brick dwells., tin roofs; cost, $5,000 each; owner, Ann O'Connor, 26 Chapel St.; builder, James O'Connor, 26 Chapel St.

Harmon St., s s, 150′ e Hamburg Ave., 3 three-st'y frame dwells., tin roofs; cost, $5,000 each; owner, architect and builder, John J. Hennemann, 18 North Oxford St.

Halsey St., s s, 25′ e Howard Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,200 each; owner, architect and builder, H. Grasman, 407 Jefferson Ave.

Lexington Ave., n s, 80′ w Lewis Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner and builder, F. B. Bryant, 272 Lewis Ave.; architects, I. D. Reynolds & Son, 363 Fulton st.

Stone Ave., w s, 100′ s Eastern Parkway, 2 three-st'y frame dwells., tin roofs; cost, $5,000 each; owners, Frank & Bose, on premises.

Putnam Ave., n s, 260′ e Howard Ave., four-st'y brick dwell., tin roof; cost, $16,000; owners, architects and builders, Moores & Le Quesne, 1460 Broadway.

South Fifth St., s s, 50′ w Hooper St., four-st'y brick dwell., tin roof; cost, $9,400; owner, Mrs. S. Delaney, 382 South Fifth Ave.; architect, H. W. Billard, 102 Flatbush Ave.; builder, Thos. Keppel, 50 Franklin St.

Watkins St., w s, 100′ n Blake St., three-st'y frame dwell., tin roof; cost, $4,500; owner, Harris Max, Osborn St.

Macon St., s s, 215′ e Reid Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,500 each; owner, Kate Acor, Jefferson Ave.; architect, J. S. Stevens, 537 Monroe St.

Bergen St., s s, 188′ 3″ w Rochester Ave., three-st'y frame dwell., tin roof; cost, $4,800; owner, John H. Dreyer, 1161 St. Mark's Ave.; architect, Chas. Infanger, 126 Van Siclen Ave.

Halsey St., s s, 400′ e Patchen Ave., 6 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, architect and builder, Newman H. Raymond, 619 Baltic St.

Macon St., s s, 200′ e Reid Ave., two-st'y brick dwell., tin roof; cost, $4,500; owner, Kate Acor; Jefferson Ave.; architect, J. S. Stevens, 537 Monroe St.

Logan St., e s, 550′ n Liberty Ave., 2 two-st'y frame dwells., tin roofs; cost, $1,600 each; owner and builder, Stephen W. Stoothoff, Eastern Parkway and Montauk Ave.; architect, Louis F. Schillinger, Liberty Ave., cor. Barbey St.

Sackett St., n s, 112′ 9″ w Clinton St., four-st'y brick dwell., tin roof; cost, $10,000; owner, E. M. Van Tassel, Windsor Hotel, New York City.

Third St., s s, 180′ w Hoyt St., 4 four-st'y brick dwells., tin roofs; cost, $7,000 each; owner and builder, John Weisenborn, 318 Court St.; architect, Wm. Hubschen, 275 Nineteenth St.

Greene Ave., s s, 325′ e Nostrand Ave., 4 four-st'y brick dwells., gravel roofs; cost, $60,000; owner and architect, Hector Toulmier, 451 Gates Ave.

Sixth St., s s, 345′ 8″ w Fifth Ave., three-st'y brick dwell., tin roof; cost, $6,500; owner and builder, George O. Van Norden, 495 Sixth Ave.; architect, W. O. Tait, 1269 Madison Ave., New York City.

Lefferts Pl., Nos. 100-102, 2 four-st'y brick dwells., tin and slate roofs; cost, $9,000 each; owner, architect and builder, John S. Frost, 96 Lefferts Pl.

New York Ave., s w cor. Bergen St., 5 three-st'y brick dwells., tin roofs; cost, $65,000; owner, Andrew Miller, 133 Herkimer St.; architect, M. Dahlander, 1082 Bedford Ave.

Thirteenth St., n s, 122′ 10½″ e Sixth Ave., 4 three-st'y brick dwells., tin roofs; cost, $4,800 each; owner, Chris. C. Frith, 471 Fourteenth St.; architect, W. O. Tait, 1269 Madison Ave., New York City.

Sumpter St., n s, 175′ w Hopkinson Ave., 3 two-st'y brick dwells., tin roofs; cost, $3,000 each; owner, Michael Sullivan; architect, O. E. Hoffers, 1503 Atlantic Ave.

Sixth St., s s, 286′ 8″ w Fifth Ave., 6 three-st'y brick dwells., tin roofs; cost, $4,000 each; owner and builder, George O. Van Orden, 495 Sixth Ave.; architect, W. O. Tait, 1269 Madison Ave., New York City.

Halsey St., s s, 308′ e Patchen Ave., 6 two-st'y brick dwells., tin roofs; cost, $3,500; owner, architect and builder, Thos. H. Radcliffe, 418 Franklin Ave.

Withers St., s s, 79′ w Kingsland Ave., three-st'y frame dwell., tin roof; cost, $3,000; owner, Albert Meeker, 265 Withers St.; architect, Th. Engelhardt, 905 Broadway.

Belmont Ave., s s, 20′ e Logan St., 2 two-st'y frame dwells., tin roofs; cost, $2,500 each; owner, Richard Geary, 576 Madison St.; architect, Wm. Godfrey, 576 Madison St.

Oakland St., No. 78, two-st'y brick dwell., gravel roof, two-st'y stone extension, gravel roof; cost, $3,400; owner, James Clifford, on premises; architect, Fred Weber, 209 Manhattan Ave.

Bogart St., e s, 50′ s Grattan St., three-st'y frame dwell., tin roof; cost, $4,000; owner, architect and builder, Philip Ludwig, on premises.

Evergreen Ave., e s, 20′ n Halsey St., three-st'y frame dwell., tin roof; cost, $3,500; owners, architects and builders, Cozine & Gascoine, 1223 Bushwick Ave.

North Sixth St., n s, 150′ e Havemeyer St., three-st'y frame dwell., tin roof; cost, $5,000; owner, Anton Knapp, 275 North Sixth St.; architect, Th. Engelhardt, 905 Broadway; builder, John J. Brennan, Heyward St.

Himrod St., s s, 250′ e Knickerbocker Ave.,

three-st'y frame dwells., tin roofs; cost, $4,000 each; owner and builder, George Strant, 809 Willoughby Ave.; architect, Th. Engelhardt, 908 Broadway.

Washington Ave., n e cor. Willoughby Ave., 2 three-st'y brick dwells., gravel roofs, total cost, $10,400; owners, Von Glahn Bros., Washington Ave., cor. Park Ave.; architect, J. G. Glover, 186 Remsen St.

Macon St., s s, 27′ w Howard Ave., 6 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, Wilfred Burr, 686 Hancock St.

Park Ave., n s, 76′ e Sumner Ave., four-st'y brick dwell., tin roof; cost, $8,000; owner, Mr. Celler, Sumner and Park Aves.; architects, D. Acker & Son, 752 Broadway.

Halsey St., n s, 100′ e Howard Ave., 4 two-st'y brick dwells., tin roofs; cost, $20,000; owner, A. Stewart Walsh, 643 Madison St.; architect, Charles W. Behrens, 628 Monroe St.

Putnam Ave., n s, 24′ 6″ w Knickerbocker Ave., 3 two-st'y frame dwells., tin roofs; cost, $4,000 each; owner, Wm. L. Coffin, 1988A Fulton St.; architect, Wm. Field, 1030 Gates Ave.

Sullivan St., s w cor. Dwight St., 2 four-st'y frame dwells., tin roofs; cost, $10,000; owner, Chas. Sutherland, 110 Cherry St., New York City; architect, Lewis Anderson, 33 Cornelia St.

St. Mark's Ave., n s, 395′ w Underhill Ave., four-st'y brick dwell., tin roof; cost, $4,500; owner and builder, E. Soderstrom, 686 Bergen St.; architect, W. H. Wirth, 358 Seventeenth St.

Carroll St., s s, 117′ w Sixth Ave., 2 four-st'y brick dwells., tin roofs; cost, $6,000 each; owner, Annie M. Murtagh, 676 Carroll St.; builder, Gilbert Murtagh, 676 Carroll St.

De Kalb Ave., n s, 100′ w Knickerbocker Ave., 4 three-st'y frame dwells., tin roofs; cost, $4,000 each; owners and builders, Louis Jaeck, 164 Himrod St., and John Mullen, 69 Jefferson St.; architect, H. Vollweiler, 483 Hart St.

Meserole Ave., No. 173, four-st'y frame dwell., tin roof; cost, $7,000; owner, Gustav Mitchke, on premises; architect, H. Vollweiler, 483 Hart St.

Prospect Ave., s s, 223′ e Fourth Ave., three-st'y brick dwell., tin roof; cost, $6,000; owner, Louisa M. Kinkel, 156 Prospect Ave.; architect, W. H. Wirth, 358 Seventeenth St.; architect, Robert W. Firth, 371 Fulton St.

Pulaski St., n s, 334′ w Throop Ave., 4 two-and-one-half-st'y brick dwells., tin roofs; cost, $6,000 each; owner, S. E. Greenland, 28 Hart St.

Fifty-seventh St., n s, 160′ e Third Ave., 3 two-st'y brick dwells., tin roofs; cost, $3,200 each; owner, W. S. Hassen, Fifty-seventh St., near Third Ave.; architects, H. L. Spicer & Son, Third Ave. and Fifty-seventh St.

Crystal St., e s, 100′ s Eastern Parkway, 3 two-st'y frame dwells., shingle roofs; cost, $2,000 each; owner, architect and builder, Peter G. Kerr, 56 Shepherd Ave.

Lorimer St., No. 275, two-st'y frame dwell., gravel roof; cost, $4,000; owner, Mrs. Edwin S. Zobie, 243 Lorimer St.; architect, Frank T. Cornell, 154 Noble St.

Crystal St., w s, 140′ n Eastern Parkway, 2 two-st'y frame dwells., tin roofs; cost, $4,200; owner, Thomas Dickson, 147 Dresden St.

New Lots Road, n s, from cor. Stone to cor. Christopher St., 11 two-st'y frame dwells., tin roofs; cost, $2,000 each; owner, architect and builder, Wolf Ruttner, Osborn and Belmont Sts.

Ninth Ave., n e cor. Seventeenth St., 2 four-st'y brick dwells., tin roofs; total cost, $14,000; owner, M. McCadden, 537 Eighteenth St.

Chauncey St., n s, 200′ e Stuyvesant Ave., 4 two-st'y brick dwells., tin roofs; cost, $4,000 each; owner and architect, R. Sweet, 111 Chauncey St.

Liberty Ave., s e cor. Sheffield Ave., 3 three-st'y frame dwells., tin roofs; cost, $11,500; owner, Gustav A. Schmidt, Liberty Ave., cor. Georgia Ave.; architect, Charles Meins, 2681 Atlantic Ave.

Vanderveer St., s s, 101′ 2½″ e Broadway, three-frame dwell., tin roof; cost, $4,000; owner and builder, Charles Welcher, 1218 Gates Ave.; architect, Charles Vollweiler, 483 Hart St.

Logan St., w s, 475′ n Liberty St., 2 three-st'y frame dwells., tin roofs; cost, $2,200 each; owners, Lawer & Kiesel, Blake Ave., near Barbey.

Camden, N. J.—*Mt. Vernon St., No.* 719, two-st'y frame dwell.; owner, A. Furton.

South Sixth St., No. 1753, two-st'y frame dwell.; owner, W. Thompson.

Mechanic St., bet. Rose and Lewis Sts., 2 two-st'y brick dwells.; owner, L. Paris, 207 North Ninth St., Philadelphia.

Chicago, Ill.—John Hoyt, 2 three-st'y dwells., 5750-5752 Madison Ave.; cost, $20,000.

Mrs. S. B. Reed, 2 two-st'y dwells., 5426-5428 Monroe Ave; cost, $9,000.

C. M. Gordon, two-st'y dwell., Sulzer St., near Halsted St.; cost, $8,000.

A. K. Kilmore, two-st'y dwell., 6419 Haward St.; cost, $4,500.

P. D. Armour, Jr., two-st'y dwell., 3700-3704 Michigan Ave.; cost, $50,000.

H. C. Champlin, 2 two-st'y dwells., 3823-3825 Vincennes Ave.; cost, $10,000.

W. Goodman, three-st'y dwell., 5026 Greenwood Ave.; cost, $40,000.

George Greser, two-st'y dwell., 5616 Peoria St.; cost, $5,000.

John Anderson, three-st'y dwell., 646 Cleveland Ave.; cost, $5,000.

E. P. Harty, two-st'y dwell., 823-825 Bonney Ave.; cost, $3,000.

G. R. Wright, two-st'y dwell., Campbell Ave. and Eighty-second St.; cost, $6,000.

C. Hazellwood, two-st'y dwell., Campbell Ave. and Eighty-second St.; cost, $6,000.

George Walker, two-st'y dwell., 1383 Palmer St.; cost, $3,000.

W. L. Potter, three-st'y dwell., 315 Hampden Ct.; cost, $10,000.

F. M. Baxter, three-st'y dwell., 4406 Grand Boulevard; cost, $20,000.

O. J. Darr, two-st'y dwell., 6739 State St.; cost, $4,200.

Cincinnati, O.—Dr. Theodore Bange, two-st'y brick and stone dwell., cor. Westwood and Harrison Aves.; cost, $4,200; architect, E. F. Baude.

M. Miller, owner and architect, two-and-one-half-st'y brick and stone dwell., June St.; cost, $4,500.

Mrs. Miller, two-and-one-half-st'y brick and stone dwell., June St.; cost, $4,500; architect, M. Miller.

H. Keckeritz, two-and-one-half-st'y brick and stone dwell., Sassafras St.; cost, $3,000; architect, M. Fisher.

Geo. Drees, three-and-one-half-st'y brick and stone dwell., Freeman Ave.; cost, $7,000; architects, G. & A. Brink.

Wm. C. Ahlering, two-and-one-half-st'y brick and stone dwell., Kline St.; cost, $3,500; architect, Adam Bast.

Mrs. McKnight, two-st'y frame dwell., Bellman St.; cost, $3,000; architect, N. Branch.

Sarah Yeatman, double frame dwell., Grand Ave.; cost, $2,500; architect, W. H. Clark.

Anna Mathein, two-and-one-half-st'y frame dwell., Sanders St.; cost, $3,500; architects, Rieg & Marty.

Hengst & Mullen, 2 two-st'y frame dwells., Columbia Ave.; cost, $2,600; architect, John Mullen.

Mrs. C. S. Fisher, two-and-one-half-st'y frame dwell., Hallaway St.; cost, $3,000; architect, J. N. Fisher.

M. A. Connett, two-st'y frame dwell., 335 East Sixth St.; cost, $2,500; architect, A. Kunz.

H. Keck, two-st'y frame dwell., Forest Ave.; cost, $2,500; architect, W. Lawrence.

G. A. Ferber, two-and-one-half-st'y brick and stone dwell., Arizona Ave.; cost, $3,400; architects, Rieg & Marty.

L. A. Mossa, two-and-one-half-st'y brick and stone dwell., Graydon Ave.; cost, $3,500; architect, W. Lawrence.

Mrs. A. Mueller, brick and stone dwell., Gilbert Ave.; cost, $3,800; architects, G. & A. Brink.

C. Klein, owner and architect, two-and-one-half-st'y brick and stone dwell., Wine St.; cost, $2,800.

J. G. Schulthesis, two-and-one-half-st'y brick and stone dwell., Apjones St.; cost, $2,600; architect,

Mrs. C. S. Anderson, two-and-one-half-st'y brick and stone dwell., 600 Celestial St.; cost, $3,000; architect, G. Nogel.

Charles Ewald, two-and-one-half-st'y brick and stone dwell. and one-st'y brick and stone stable, Molitor and Madison Sts.; cost, $3,700; architect, E. F. Baude.

Detroit, Mich.—R. E. Raseman, brick dwell., 286 Hancock Ave.; cost, $6,000.

J. Buchanan, brick dwell., 220 Trumbull Ave.; cost, $6,000.

J. L. Quinn, double frame dwell., 268 Twelfth St.; cost, $3,300.

C. Kulow, brick dwell., etc., 1517 Jefferson Ave.; cost, $5,600.

W. C. Smith, ten frame dwells., 1119-1131 Riopelle St.; cost, $7,000.

E. Klotzin, frame dwell., 346 Field Ave.; cost, $3,600.

J. Summers, two frame dwells., 982-984 Thirteenth St.; cost, $5,400.

Dumas & Leduc, double brick dwell. and store, 566-570 Monroe Ave.; cost, $13,000.

A. C. Varney & Co., two brick dwells., 393-399 Crawford St.; cost, $7,300.

Malcolmson & Co., double brick dwell. and store, 1174-1176 Michigan Ave.; cost, $5,000.

J. M. Quiver, frame dwell., 297 Frederick St.; cost, $3,200.

J. Y. Mallish, brick dwell., 816 Kirby St.; cost, $3,500.

A. E. French, brick dwell., 149 Commonwealth Ave.; cost, $10,000.

Rogers & McFarland, brick dwell., 162 Jos. Campau Ave.; cost, $7,000.

New York, N. Y.—*Fifth Ave.*, s e cor. Sixty-fifth St., five-st'y brick dwell., hip, tin and tile roof; cost, $85,000; owner, Mrs. Sophia A. Sherman, 547 Fifth Ave.; architect, William H. Russell, 71 Broadway.

Ninety-ninth St., s s, 80′ e West End Ave, three-st'y brick dwell., tin roof; cost, $16,000; owner, George W. Eggers, 103 West Ninety-third St.; architect, Edward Wenz, 1491 Third Ave.

West End Ave., n w cor. One Hundred and Fourth St., 5 four and three-and-one-half-st'y brick dwells., tin roofs; cost, $97,000; owner, Increase M. Grenell, 672 Columbus Ave.; architect, M. V. B. Ferden, 275 West Thirty-fourth St.

Seventy-first St., s s, 100′ e West End Ave., 6 three-st'y brick dwells., tin roofs; cost, $84,000; owners, Eagan & Halley, 206 West One Hundred and Fifth St. and 162 West One Hundred and Third St.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

One Hundred and Second St., s s, 150′ w West End Ave., 4 three-st'y brick dwells., tin roofs; cost, $64,000; owner, Alphonse Hogenauer, 348 Willis Ave.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

One Hundred and Fifty-seventh St., n s, 250′ w Amsterdam Ave., 3 three-st'y brick dwells., tin roofs; cost, $33,600; owner, Anna A. White, 239 Lexington Ave.; architect, James Stroude, 1267 Broadway.

Scott Ave., s w cor. Decatur Ave., two-and-one-half-st'y brick and frame dwell., peaked slate roof; cost, $6,000; owner, Henry Weiberry, Jr., 118 East Eleventh St.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

Aqueduct Ave., n e cor. Tremont Ave., three-st'y brick and frame dwell., peak shingle roof; cost, $8,000; owner, Henry A. Dewey, 519 West One Hundred and Fifty-ninth St.; architects, Cleverdon & Putzell, 13 Astor Pl.

Philadelphia, Pa.—*Twenty-ninth St.*, e s, n Columbia Ave., 20 three-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Columbia Ave., n s, bet. Twenty-ninth and Thirtieth Sts., 20 two-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Twenty-ninth St., e s, n Columbia Ave., 13 two-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Twenty-ninth St., w s, n Columbia Ave., 12 three-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Twenty-ninth and one-half St., e and w s, n Columbia Ave., 33 two-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Greenwood Ave., s w s, bet. Twenty-ninth and Thirtieth Sts., 12 two-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Locust St., bet. Twenty-third and Twenty-fourth St., 7 three-st'y brick dwells.; owner, John Stafford, 1606 Susquehanna Ave.

Logan Ave., n s, e Broad St., 22 two-st'y brick and stone dwells.; owner, A. B. Millett, 2032 North Thirteenth St.

Cambria St., s s, bet. Twelfth and Thirteenth Sts., 4 two-st'y brick dwells.; builder, Herbert H. Downsborough, 2709 Fairhill St.

Clearfield St., n s, w Trenton Ave., 9 two-st'y brick dwells.; owner, Owen McArdle, 2544 East Lehigh Ave.

Melon St., s s, n Clearfield St., 13 two-st'y brick dwells.; owner, O. McArdle, 2544 East Lehigh Ave.

McKean St., s s, bet. Thirteenth and Fourteenth Sts., 14 two-st'y brick dwells.; owner, Andrew Mowbray, 1236 South Fifteenth St.

Fillmore St., e s, s Indiana Ave., 14 two-st'y brick dwells.; owner, Daniel McCollamer, Broad St., n e cor. Germantown Ave.

Ormes St., w s and e s, n Indiana Ave., 11 two-st'y brick and stone dwells.; owners, Krabo and Strassheim, 2615 Harold St.

Orianna St., e s, s Huntingdon St., 8 two-st'y brick dwells.; owner and builder, D. C. Schuler, 2327 North Sixth St.

Willington St., w s, n Cumberland St., 64 two-st'y brick and stone dwells.; owner and builder, John Loughran, 2238 North Broad St.

Twenty-first St., e s, n Susquehanna Ave., 30 three-st'y brick and stone dwells.; owner and builder, John M. Sharp, 1936 South College Ave.

Botanic Ave., e s, bet. Seventy-fifth and Seventy-sixth Sts., two-st'y brick dwell.; builder, W. J. Drummond, 1719 Carpenter St.

Forty-first St., w s, s Brown St., 16 three-st'y brick dwells.; owners, James and Chas. A. Maguire, 2010 Ridge Ave.

Pomona St., n s, e Hancock St., three-st'y brick and stone dwell.; builder, Walter Bowditch, 215 High St.

Germantown Ave., e s, n Oxford St., three-st'y brick and stone dwell.; builder, W. Fecklenberg, 1614 Cadwallader St.

Joyce St., w s, n Kettlewell St., 14 two-st'y brick dwells.; owners, McIlvain, Strong & Co., 1345 Arch St.

North Fourth St., No. 2144, two-st'y brick dwell.; builder, C. Roth, 432 West Huntingdon St.

Brooks St., w s, s Brown St., three-ft'y brick dwell.; builder, R. B. Gorman, 2335 North Eighth St.

Cabot St., Nos. 1832 and 1834, 2 two-st'y brick dwells.; builders, Ralph & Gregg, 1233 Olive St.

Lingo St., e s, s McKean St., 25 two-st'y brick dwells.; owner, Thomas J. Henry, 2310 Federal St.

Seigel St., s s, bet. Twentieth and Twenty-first Sts., 14 two-st'y brick and stone dwells.; owner, C. B. Prettyman, 1622 Christian St.

Twenty-first St., w s, n Moore St., 5 two-st'y brick dwells.; owner, C. B. Prettyman, 1622 Christian St.

Durfor St., n s, bet. Third and Fourth Sts., 28 two-st'y brick dwells.; builder, David Fulton, 243 Daley St.

Lombard St., n s, w Sixty-first St., two-st'y brick dwell.; builder, Geo. W. Steinmetz, cor. Hamilton and Sixtieth-and-one-half Sts.

Somerville, Mass.—*Sewell St.*, near Grant St., frame dwell., 23′ x 48′, with L 19′ x 23′; owner, Reuben Willis; builder, John K. Ricker.

Gilman St., No. 88, frame dwell., 22′ x 32′; owner and builder, H. A. Clarry.

Trull St., frame dwell., 24′ x 40′; owner and builder, H. A. Clarry.

Trull St., frame dwell., 24′ x 36′; owner, Maurice Buttemore; builder, John W. Prevost.

Highland Ave., cor. Hamlet St., frame dwell., 33′ x 64′; owner, Dr. H. D. Osgood; builder, W. W. Coffin.

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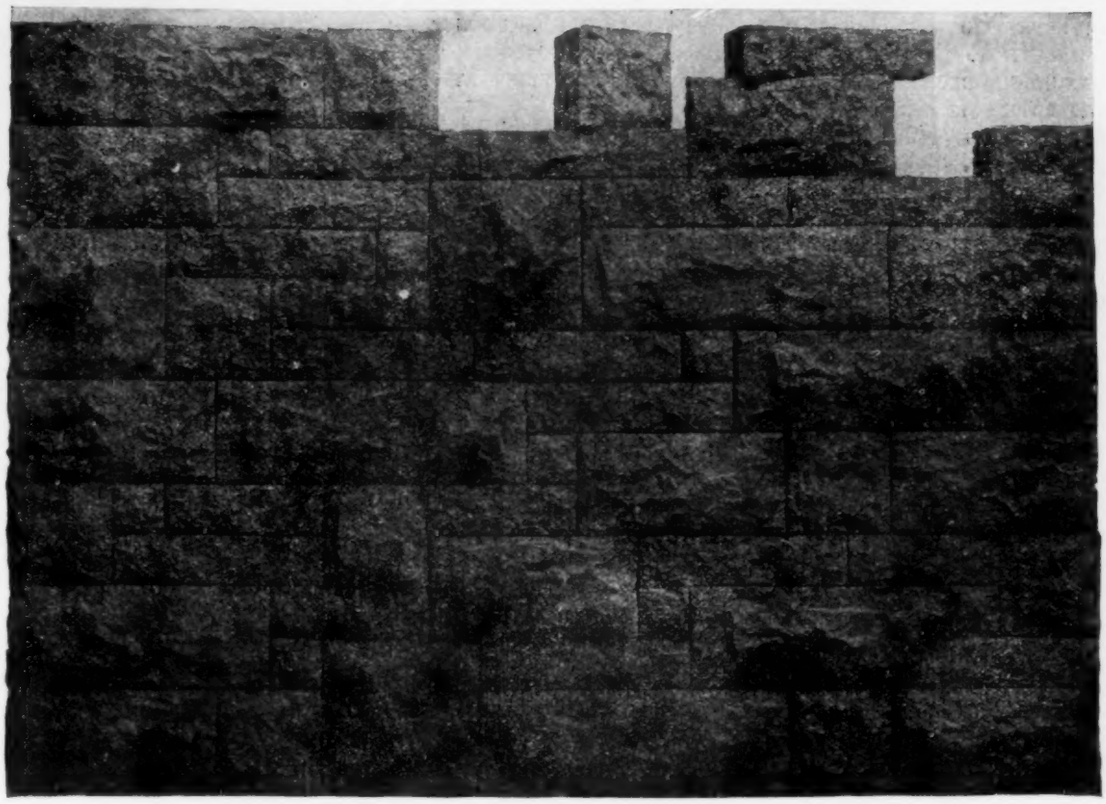

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BUILDING INTELLIGENCE.

Trull St., frame dwell., 23′ x 32′; owner and builder, M. Mullarkey.

Cherry St., w s, frame dwell., 24′ x 30′, with L 16′ x 22′; owner, Benj. M. Fiske; builder, Charles E. Parkhurst.

Park St., rear, near Beacon St., four frame dwells., 26′ x 45′; owner, Daniel E. Chase; builder, E. A. Miller.

Worcester, Mass. — *Wheeler St.*, three-st'y frame dwell.; owner, J. Coombs; contractor, E. B. Rogers.

Belmont St., three-st'y frame dwell.; owner, P. H. Dean; contractor, Geo. Kingston; architect, J. P. Kingston.

Oxford St., three-st'y frame dwell.; owner, Wm. Beach; contractor, W. Ford.

Harrington Ave., two-st'y frame dwell.; owner, Otis Bean; contractor, F. H. Holland; architect, J. B. Woodworth.

Colton St., three-st'y frame dwell.; owner, Clemence Maple; contractors, Belisle & Maynard; architect, Geo. H. Clemence.

Whitney St., three-st'y frame dwell.; owner, P. Lavin; contractor, J. A. McDermott.

Balls St., one-st'y frame dwell.; owner and contractor, J. A. Larkham.

Perry Ave., 2 one-st'y frame dwells.; owner, J. S. Perry; contractor, Wm. O. Burns.

Vernon St., three-st'y frame dwell.; owner, Carl Peterson; contractors, Hout & Brouillette.

OFFICE-BUILDINGS.

Detroit, Mich. — Michigan Central R. R. Co., three-st'y brick office, 224 River St.; cost, $13,000.

New York, N. Y. — *Pine St.*, n w cor. William St., nine-st'y brick office-building, brick and cement roof; cost, $50,000; owner, Wm. De Forest Maurice, 4 West Fortieth St.; architect, D. & J. Jardine, 1262 Broadway.

RAILROAD-BUILDINGS.

Chicago, Ill. — The Chicago and South Side Rapid Transit Railroad Co., station houses, 532 Fortieth St., 645 Forty-third St., 787 Forty-seventh St., 981 Fifty-first St., 1059 Sixty-first St., 996 Fifty-fifth St., 1061 Fifty-eighth St.; total cost, $91,000.

SCHOOL-HOUSES.

Bessemer, Ala. — School-building to cost $10,000 is contemplated.

Bozeman, Mont. — Two-st'y brick and stone high school building; cost, $45,000; architects, Hancock Bros., Fargo, N. D.

Valley City, N. Dak. — Brick and stone Normal School building; cost, $30,000; architects, Hancock Bros., Fargo, N. D.

STABLES.

Boston, Mass.—*Nightingale St., rear*, near Bernard St., Ward 24, one-st'y frame stable, pitch roof, 22′ x 25′; owner, G. L. Bryan; builder, D. Currier.

Spring St., rear, near Summer St., Ward 23, one-st'y frame stable, pitch roof, 18′ x 41′; owner, F. E. Ames; builder, W. S. Mitchell.

BUILDING INTELLIGENCE.

Bismarck St., near Boylston St., Ward 23, one-st'y frame stable, 16′ x 20′; owner, Johannes Moeller; builder, A. Sonntag.

Brooklyn, N. Y. — *Hudson Ave.*, w s, 30′ n De Kalb Ave., five-st'y brick stable and warehouse, asphalt and gravel roof; cost, $26,000; owner, N. L. Terrel, State St., near Third Ave.; architect, M. J. Morrill, 357 Fulton St.

New York, N. Y. — *Sixty-fifth St.*, s s, 72′ e Fifth Ave., two-and-three-st'y brick stable, tin roof; cost, $15,000; owner, Sophia Augusta Sherman, 547 Fifth Ave.; architect, William H. Russell, 71 Broadway.

Amsterdam Ave., s w cor. Seventy-sixth St., 5 two-st'y brick stables, peak, tin and slate roofs; cost, $40,000; owner, Wm. T. Walton, 233 West End Ave.; architects, French, Dixon & De Salden, Broadway and Fifty-seventh St.

East Fifty-first St., Nos. 46, 48, 50, and *East Fiftieth St., Nos.* 43, 45, 47, 6 two and three-st'y brick stables, mansard and flat roof; cost, $60,000; owner, Thomas Brennan, 153 East Eighty-second St.; architects, Lieneu & Nash, 64 Cedar St.

Somerville, Mass. — *Gilman St., No.* 88, frame stable, 20′ x 30′; owner and builder, H. A. Clarry.

STORES.

Brooklyn, N. Y. — *Fulton Ave.*, 25′ w Linwood St., three-st'y brick store and dwell., tin roof; cost, $5,000; owner, Salvatore Rizzo, 303 East One Hundred and Seventh St., New York City; architect, Guiseppo Bonnano.

Broadway, n e cor. Furman Ave., four-st'y brick store and dwell., tin roof; cost, $10,000; owner, H. Meyer, 59 South Tenth St.; architect, B. Finkensieper, 93 Broadway.

Broadway, w s, 19′ 9″ s McDougal St., 3 three-st'y frame stores and dwells., tin roofs; cost, $4,500; owner and builder, W. H. Barton, 10 Cooper St.; architect, B. Finkensieper, 93 Broadway.

Atlantic Ave., n e cor. Vermont Ave., 4 one-st'y brick stores, gravel roofs; cost, $20,000; owners, M. F. and W. R. Smith, Broadway and Bedford Ave.; architect, Frank T. Cornell, 154 Noble St.

Fourth Ave., w s, 100′ n Carroll St., four-st'y brick store and dwell., tin roof; cost, $7,000; owner, Frank Masciarello, Third Ave. and Fifty-third St.; architects, H. L. Spicer & Son, Third Ave. and Fifty-third St.

Franklin Ave., n e cor. Lexington St., four-st'y brick store and dwell., tin roof; cost, $17,000; owner, Mr. Schumacker, 355 Franklin Ave.

Franklin Ave., e s, 23′ n Lexington Ave., four-st'y brick store and dwell., tin roof; cost, $8,000; owner, Mr. Schumacker, 355 Franklin Ave.; architect, Frank Holmberg, 1161 Broadway.

Atlantic Ave., n w cor. Barbey St., 4 three-st'y brick stores and dwells., tin roofs; cost, $22,000; owner, D. J. Molloy, 2507 Atlantic Ave.; architects, Danmar & Fischer, Atlantic and Van Sielen Aves.

Knickerbocker Ave., e s, 40′ n Woodbine St., three-st'y frame store and dwell., iron roof; cost, $3,500; owner, Claus Schnoor, 604 East Ninth St., New York City; architect, F. J. Lessing, 91 Ralph Ave.

Hamburg Ave., s e cor. Suydam St., 2 four-st'y frame stores and dwells., tin roofs; cost, $10,000; owners and builders, Dietrich & Reitzenstein, Bushwick Ave. and Varet St.; architects, D. Acker & Son, 752 Broadway.

Buffalo Ave., s w cor. Bergen St., three-st'y frame store and dwell., tin roof; cost, $4,500; owner and architect, Geo. F. Van Doorn, 346 Macon St.

Moore St., n s, 400′ w Fourth Ave., four-st'y brick store and dwell., tin roof; cost, $5,000; owner, Alice Sheenan, Fourth Ave. and Union St.; architect, J. W. Bailey, 66 Court St.

Broadway, s s, 110′ 1½″ w McDonough St., one-st'y brick store, gravel roof; cost, $7,000; owner, H. C. Bohack, 1643 Broadway; architect, F. Weber, 209 Manhattan Ave.

Smith St., No. 401, four-st'y brick store and dwell., tin roof; cost, $6,500; owner and builder, Thomas Keogh, 169 Luqueer St.

Flatbush Ave., cor. Third Ave., one-st'y brick store, felt and gravel roof; cost, $6,000; owner, P. G. Williams, 2 Johnson St.; architect and builder, John O'Connor, 400 Bridge St.

Nassau Ave., n e cor. North Henry St., three-st'y frame store and dwell., tin roof; cost, $4,500; owner and builder, P. F. Fitzgerald, 172 North Seventh St.; architect, A. Herbert, 147 Broadway.

Kingsland Ave., e s, 33′ n Parker St., three-st'y frame store and dwell., tin roof; cost, $3,000; owner, G. Hesse, 64 Kingsland Ave.; architect, B. Finkensieper, 93 Broadway.

Christopher St., w s, 100′ n Glenmore Ave., 7 three-st'y frame stores and dwells., tin roofs; cost, $1,600 each; owners and builders, Samuelson & Ringinsky, Christopher St. and Sutter Ave.

Eastern Parkway, s w cor. Montauk Ave., three-st'y frame store and dwell., felt and gravel roof; cost, $7,000; owner, Henry Wischhusen, 106 Patchen Ave.; architect, John L. Young, 287 Halsey St.

New York, N. Y. — *Sixth Ave., No.* 387, four-st'y brick store, tin roof; cost, $24,000; owner, Sarah T. Adams, 116 Madison St.; architect, D. & J. Jardine, 1262 Broadway.

Columbus Ave., s w cor. Seventy-second St., six-st'y brick store, granolithic roof; cost, $85,000; owners, Park & Tilford, 917 Broadway; architects, McKim, Mead & White, 1 West Twentieth St.

Renwick St., Nos. 46 and 42, six-st'y brick store, tin roof; cost, $25,000; owner, Albert Ludeman, 38 Renwick St.; architects, Thom & Wilson, 1267 Broadway.

Washington Pl., Nos. 18, 20, 22, eight-st'y brick store, gravel roof; cost, $315,000; owner, Simon Goldenberger, 29 East Seventy-second St.; architect, Alfred Zucker, Lincoln Building, Union Square.

Broadway, n e cor. Forty-ninth St., three-st'y brick store, tin roof; cost, $12,000; owner, Mrs. Eva Brush, 65 East Eightieth St.; architects, Cleverdon & Putzell, 13 Astor Pl.

Worcester, Mass. — *Union Ave.*, one-st'y brick and stone store; owner, P. J. Hagan.

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Brooklyn, N. Y. — *Kent Ave.*, w s, near Park St., four-st'y brick warehouse, gravel roof; cost, $10,000; owner, T. T. Nutt, Pierrepont St.; architect, Mercein Thomas, 16 Court St.

MISCELLANEOUS.

Baltimore, Md.—Baltimore City Passenger Railway Co., brick power-house, cor. Baltimore and East Sts., and cor. Eutaw St. and Cider Alley.

Boston, Mass. — *Pleasant St.*, cor. Pearl St., Ward 24, two-st'y clubhouse, gambrel roof, 40.6' x 92'; owner, Old Dorchester Club; builder, John Bass.

Brooklyn, N. Y. — *Ninth St.*, s w cor. Sixth Ave., three-st'y brick public hall, tin or slate roof; cost, $10,000; owner, Edwin P. Day, Third Ave., cor. Fifty-fifth St.; architect, Robert W. Firth, Arbuckle Building.

Seventh St., n s, 307' e Seventh Ave., two-st'y brick boiler-room, kitchen, laundry, etc., in connection with M. E. Hospital, slate and tin roof; cost, $60,000; owner, Methodist Episcopal Hospital, Sixth St.; architect, John Mumford, 189 Montague St.

Fort Green Place, w s, 225' s Harrison Pl., two-st'y brick beef house refrigerator, tar and gravel roof; cost, abt. $10,000; owner, Cudahy Packing Co., South Omaha, Neb.; architect, E. W. Gray, 327 West One Hundred and Twenty-fourth St., New York City.

Fifty-second St., s w s, bet. First Ave. and New York Bay, one and two-st'y brick and stone power-house, iron and slate roof; cost, $200,000; owner, Brooklyn City Railroad Co., 10 Fulton St.; architect, R. Pearson, Boston, Mass.

Irving St., n s, 123' e Van Brunt St., 2 two-st'y brick machine shop and retort house, gravel and tar roofs; cost, $5,000; owners, Marx & Rawolle, Van Brunt and Irving Sts.; architect, Geo. P. Chappell, 24 State St., New York City.

Waverly Ave., s s, 129' s Flushing Ave., one-st'y brick storehouse, gravel roof; cost, $3,500; owner, Chas. Smith, 1 Wallabout Market; architect, B. Finkensieper, 93 Broadway.

Chicago, Ill.— W. H. Pursell & Co., three-st'y malt-house, 26-32 Larrabee St.; cost, $5,000.

Columbia Wheelman's Club, three-st'y club-house, 309 West Division St.; cost, $9,000.

Chicago & Northwestern R. R. Co., shop, Fifteenth St. and Oakley Ave.; cost, $3 000.

Charles Bishop, two-st'y laundry, 207 South Peoria St.; cost, $4,500.

Union Stock Yards Transfer Co., two-st'y shop, Green and Forty-first Sts.; cost, $12,000.

Detroit, Mich.—Henry Ivo & Co., two-st'y brick hall, 375 Thirteenth St.; cost, $16,000.

New York, N. Y. — *West Thirty-ninth St., No.* 614, four-st'y brick manufactory, gravel roof; cost, $7,000; owner, Peter F. Turner, 341 West Forty-sixth St.; architect, G. F. Pelham, 1481 Broadway.

East Fifty-sixth St., No. 309, four-st'y brick workshop, tin roof; cost, $11,000; owner, Fritz Haudrich, 309 East Fifty-sixth St.; architects, Weber & Drosser, 2 Stone St.

One Hundred and Thirty-eighth St., n s, 100' w East River, two-st'y brick workshop, peaked slate roof; cost, $5,000; owner, Central Gas Light Co., 1 East One Hundred and Twenty-first St.; architect, Henry S. Ihner, 47 Broadway.

First Ave., e s, bet. Twenty-sixth and Twenty-eighth Sts., one-st'y brick building to be used in connection with Bellevue Hospital, peak slate and

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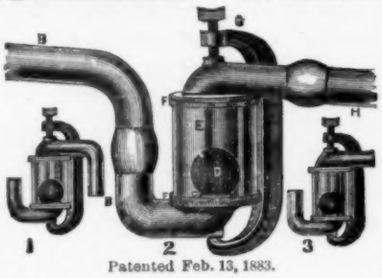

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Twenty-ninth St., Nos. 33-37, one-and-one-half-st'y brick concert hall, peak tin roof; cost, $25,000; owner, John J. White, Norwich, Conn.; architect, M. V. B. Ferdon, 265 West Thirty-fourth St.

Worcester, Mass. — *Alvardo Ave.*, two-st'y frame club-house; owner, Lake View Rod and Gun Club; contractors, Marsh & Moore.

Ellsworth St., two-st'y frame shop; owner and contractor, J. D. Lane.

Portland St., two-st'y brick and stone engine-house; owner, City of Worcester; contractor, J. Lewis Murphy; architect, Geo. H. Clemence.

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PROPOSALS.

certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any and all bids, or to waive any defect or informality in any bid if it be deemed in the interest of the Government to do so. All proposals received after the time stated will be returned to the bidders. Proposals must be enclosed in envelopes sealed and marked "Proposal for Passenger Elevator for the United States Court-house and Post-office building at Leavenworth, Kansas," and addressed to W. J. EDBROOKE, Supervising Architect. 860

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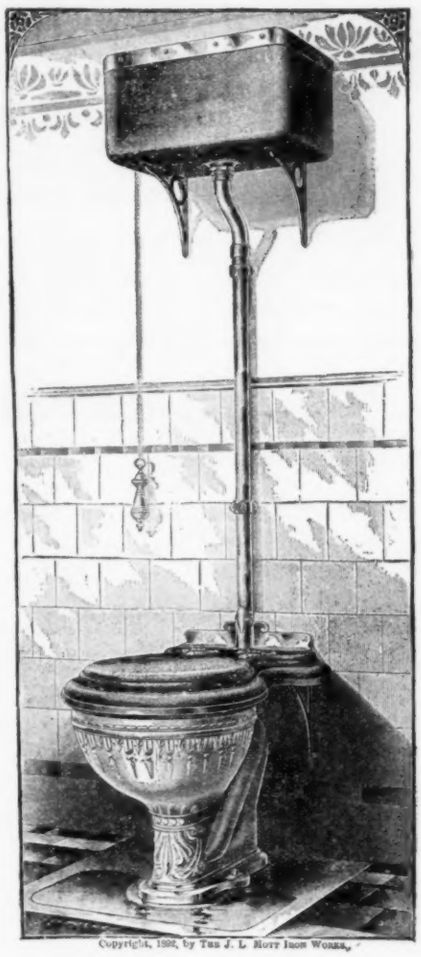

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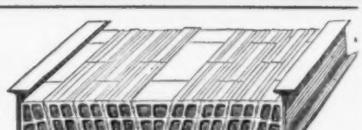
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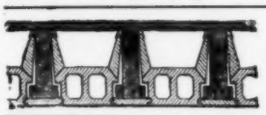
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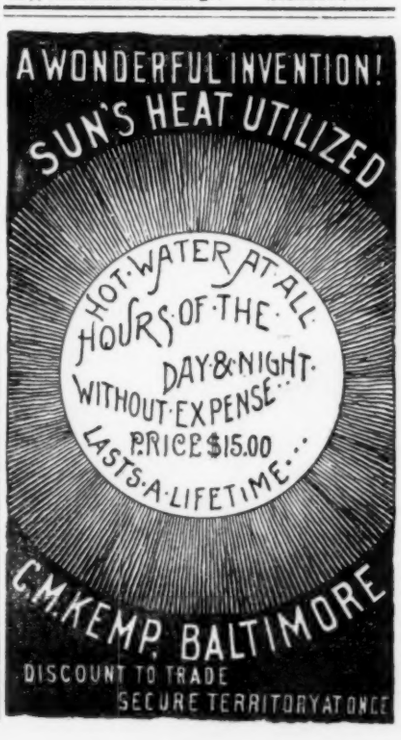

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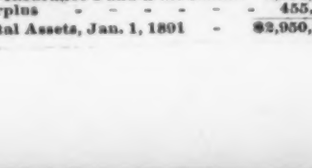

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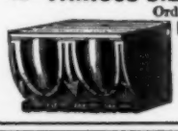
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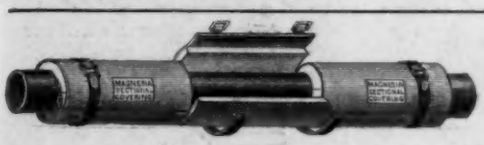

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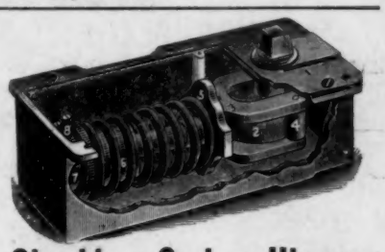

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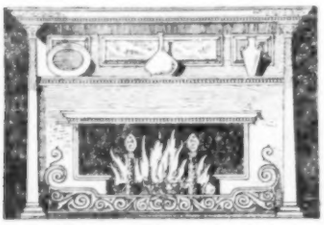

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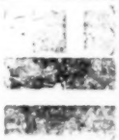

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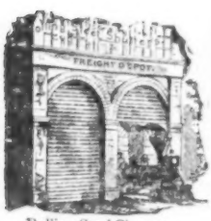

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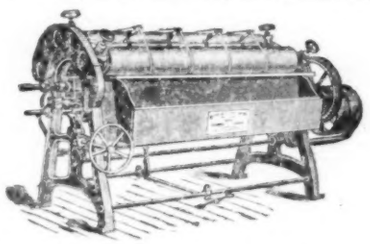

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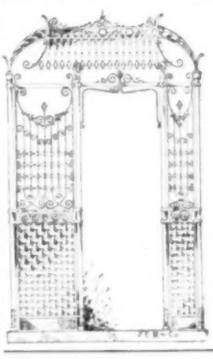

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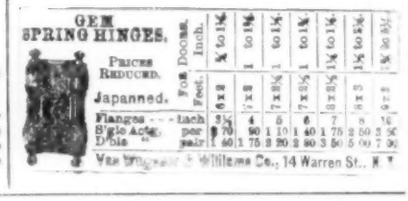

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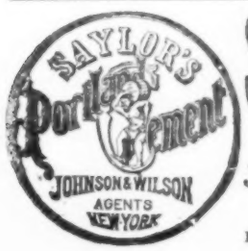

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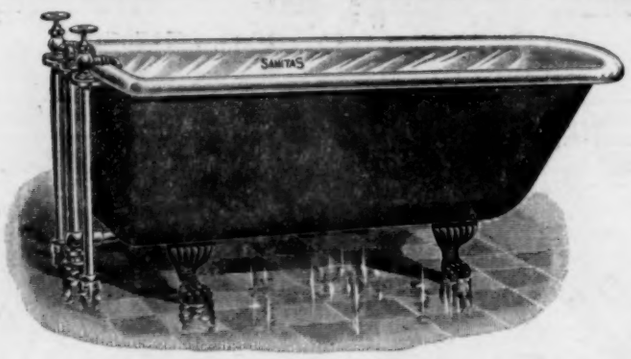

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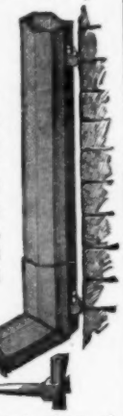

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" white	@ 70 00	50 00 @ 55 00	32 00 @ 40 00	45 00 @ 55 00
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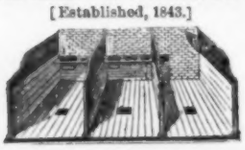

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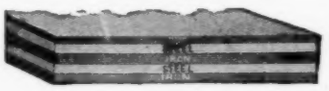

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BRICK.—₱ M.				In Yard.
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Pale	1 75 @ 2 00	Eastern 9 00 @ 10 00	Building Brick @ 6 50	Sq. Hard @ 9 00
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Up River	4 25 @ 4 75			Sq. " @ 9 00
Haverstraw Bay 2d	4 75 @ 5 00	Domestic Com. 9 50 @ 10 00	Indiana Pressed 14 00 @ 20 00	Light Stretchers @ 10 00
" 1st	@ 5 25		St. Louis Fronts @ 27 00	Medium " @ 12 00
Hollow	@ 13 00	Domestic Face 20 00 @ 22 00		Red " @ 13 00
Fronts:				Dark " @ 13 00
Croton, Brown	@ 13 00	Philadelphia 40 00 @ 45 00		Pressed 15 00 @ 27 00
" dark	@ 14 00			65 00 @ 350 00
" red	@ 14 00	Phila. mould 50 00 @ 80 00		@ 55 00
Chicago pressed (Anderson)				18 00 @ 20 00
" Moulded				Best Paving 45 00 @ 50 00
Baltimore	37 00 @ 41 00	Anderson 14 00 @ 32 00		@ 14 00
Philadelphia	23 00 @ 24 00			Second " 45 00 @
Trenton	22 00 @ 23 00			25 00 @
Milwaukee				60 00 @ 100 00
Moulded:				Third " 30 @
Glens Falls Red Pressed	@ 37 00			35 @
" " Buff "	@ 30 00			@ 12 00
" " Moulded Red & Buff	45 00 @ 70 00			55 00 @ 65 00
Enamelled: *Imp.*				
Enamelled (edge)	85 00 @ 100 00		@ 100 00	Dom. @ 65
Enamelled (edge and end)	90 00 @ 115 00		@ 120 00	@ 85
CEMENT, LIME, etc.—(₱ *cask.*)				
Rosendale Cement	85 @ 95	1 20 @ 1 40	*Not sold.*	1 30 @ 1 50
Louisville "		Brooks, S. & Co.	1 05 @ 1 30	BS&Co 2 75 @ 3 00
Utica, Akron, Buffalo, Milw'kee.	*Not sold.*	2 60 @ 3 00	1 00 @ 1 25	2 85 @ 3 25
Portland, English (Gibbs)	2 50 @ 3 00	2 60 @ 3 00	2 75 @ 3 25	2 85 @ 3 15
" " (K. B. & S.)	2 50 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	2 75 @ 3 00
" " Black Cross	2 25 @ 2 50	2 60 @ 3 00	3 00 @ 3 25	2 85 @ 3 15
" " (Burnham)	2 50 @ 2 80	2 60 @ 3 00	2 90 @ 3 15	2 75 @ 2 85
" " (White's)	2 65 @ 3 00	2 60 @ 3 00	3 00 @ 3 25	
" French (Lafarge)	3 60 @ 3 75	@ 5 00	3 75 @ 4 25	Hemmoor
" German (Alsen)	2 90 @ 3 25	3 00 @ 3 50	@ 3 20	2 50 @ 2 75
" " (Fewer)	2 25 @ 2 40	3 15 @ 3 35	3 20 @ 3 40	2 75 @ 2 85
" " (Vorwohler)	2 50 @ 2 90	Cleopatra	@	Josson
" " (Lagerdofer)	@	2 55 @ 3 00	2 75 @ 3 00	2 60 @ 2 75
" " (Dyckerhoff)	2 90 @ 3 25	3 00 @ 3 50	3 25 @ 3 50	3 00 @ 3 25
" " (Hanover)	2 50 @ 3 00		*Not sold.*	2 75 @ 2 85
" " Stettin, (Anchor)	2 35 @ 2 85		*Not sold.*	
" American (Saylor's)	1 75 @ 2 00	2 15 @ 2 50	2 75 @ 3 00	2 70 @ 3 00
Roman	2 75 @ 3 00	@ 3 00	2 75 @ 3 25	3 00 @ 3 50
Keene's coarse	5 75 @ 6 50	@ 6 00	6 00 @ 7 00	6 50 @ 7 00
" superfine	9 25 @ 10 25	@ 11 50	9 00 @ 10 50	8 00 @ 9 00
Lime:				
Lime of Teil	3 50 @ 4 00		*Not sold.*	White Lime ₱ bush 25 @ 30
Hydraulic Lime	@ 1 45	@ 1 35		White Mash 1 25 @ 1 50
Chicago Lime in bulk		St. John 1 00	55 @	1 00 @ 1 00
Wisconsin Lime			60 @	
Rockland and Rockport, (Com.)	@ 85	@ 1 05	*Not sold.*	
Rockland and Rockport, finish	@ 95	@ 1 10	*Not sold.*	
Kelley Island Lime, finish	@ 1 20	@ 1 20	1 00 bulk, 75c.	
State, com. cargo rates (nom.)	@ 85	*Not sold.*	*Not sold.*	*Not sold.*
State, finishing	@ 1 05	*Not sold.*	*Not sold.*	*Not sold.*
Plaster of Paris (calcined)	1 20 @ 1 25	1 85 @ 2 00	1 85 @ 1 90	1 50 @ 2 25
" (casting)	1 30 @ 1 35	@ 2 25	1 85 @ 1 90	1 75 @ 2 50
Hair (Cattle) ₱ *bush.*	16 @ 18	25 @ 30	20 @ 25	20 @ 25
" (Goat)	21 @ 25	@ 30	30 @ 35	30 @ 35
Sand, ₱ *load*	1 00 @ 1 25	1 75 @ 1 90	@ 60	@ 1 50
STONE. (₱ *cubic foot, rough.*)				
Granite: (*Maine*)		@ 60		55 @ 65
Limestone:				
Bedford	45 @ 1 25	95 @ 1 00	50 @	75 @ 90
Joliet	@ 1 00		35 @ 55	Richmond
Lemont	@		35 @ 60	75 @ 1 50
Serpentine	@	10 50 per ton	@ 1 00	₱ Perch @ 4 5

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Foundation:				
Dimension	@	5 00 ₱ ton.	20 @	@ 5 00
Block	@	4 60 ₱ perch.	@	Conshocken
Rubble	@	1 25 @ 1 50	8 50 @	1 45 @ 2 50
Bluestone: (₱ *sq. ft.*)				
Sidewalk	30 @ 5 00	40 @ 1 75	75 @ 1 00	1 in.th. 10 @ 25
Planed	50 @ 6 00	@ 75	50 @ 1 00	37 @ 50
Sandstone:				
Longmeadow	@ 80	80 @ 90	@	95 @ 1 1
Kibbe	@ 90	90 @ 1 10	@	1 05 @ 1 35
Brown (Connecticut)	1 00 @	1 25 @ 1 45	1 50 ₱ cub. ft.	
Amherst, Berea, Berlin } Ohio	90 @ 95 / 75 @ 1 00 / 75 @ 1 00	90 @ 1 00 / 85 @ 90 / 80 @ 90	45 @ 50 / 45 @ 55 / 55 @ 65	55 @ 1 00
Belleville	80 @ 1 25	1 25 @ 1 35	@ 1 25	1 10 @ 1 00
New Brunswick (Dorchester)	@ 1 00	75 @ 90	@	1 00 @ 1 00
Caen	@	@ 2 00	@	1 25 @ 1 00
Carlisle, English	@ 1 05	@ 1 05	@	95 @ 1 00
Corse Hill (Scotch)	@ 1 05	@ 1 05	@	@
Marble: (₱ *cu. ft.*)				
Lee, Mass	@	1 75 @ 2 50	*Not Sold.*	2 00 @ 2 50
Rutland, white and blue	@	@ 3 00	3 50 @ 6 00	2 00 @ 3 00
Sutherland Falls	1 25 @ 1 75	@ 2 00	3 50 @ 6 00	1 70 @ 3 00
Glens Falls, black	@	@	*Not Sold.*	4 00 @ 4 50
Italian, blue-veined	@	@	@ 4 40	2 50 @ 2 75
" Sienna	@	@	*Not Sold.*	@ 5 00
Tennessee, red	@	@	@ 4 40	4 00 @ 6 00
" Knoxville	@	@	@ 4 40	3 00 @ 4 00
Pennsylvania, blue	@	@	*Not Sold.*	2 00 @ 3 00
Vermont, white	@	@	3 50 @ 6 00	2 25 @ 3 00
Slate: Roofing (₱ *square*)				
" green	5 00 @ 6 00	4 75 @ 5 25	5 50 @ 6 10	2 30 @ 3 00
" " unfading	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 25 @ 3 75
" purple	5 00 @ 6 00	5 50 @ 6 50	6 50 @ 7 10	3 50 @ 4 50
" red	@ 10 00	10 00 @ 11 00	12 00 @ 14 00	50 @ 10 25
" black, Lehigh	4 25 @ 4 75	@	6 25 @ 6 85	225 @ 4 00
" " Chapmans	@	@	7 30 @ 8 00	00 @ 4 65
" Unfading black, Monson, Me	5 50 @ 8 00	5 50 @ 8 00	6 00 @ 9 00	5 50 @ 8 00
Tiles, Am ...₱ M.	@	@	*Not Sold.*	@ 25 00
N. Peach Bottom, warranted unfading	@	@	@	6 00 @ 6 75
PAINTS. (*In Oil* ₱ *lb.*)				
White lead, Am	7 @ 7½	7 @ 7½	6½ @ 7	@ 7½
" zinc, "	5 @ 8½	@ 8	7 @ 10½	@ 7
Red lead, Am	6½ @ 7	7 @ 7½	6½ @ 7	@ 7½
" Venetian	6 @ 10½	7 @ 12	1½ @ 2½	dry Eng. @ 7
" Vermillion	65 @ 70	70 @ 5 dry	65 @ 68	Eng. @ 76
" Indian, Eng	12 @ 20	12 @ 20	12 @ 20	6½ @ 7
Yellow Ochre	6 @ 15	7 @ 12	3 @ 15	dry Am. @ 1½
" Chrome	12 @ 20	18 @ 25	15 @ 25	@ 18
Green (chrome)	8 @ 13	8 @ 20	8 @ 20	@ 21
Green, Paris	25 @ 40	25 @ 40	18 @ 35	" 15 @ 20
Black, lamp	15 @ 25	15 @ 25	8 @ 30	8 @ 12
Blue, ultramarine	12 @ 18	18 @ 30	12 @ 35	10 @ 24
Oil, linseed, (raw) (₱ gal.)	55 @ 62	42 @ 43	57 @ 60	@ 60
" " boiled "	58 @ 65	45 @ 46	60 @ 63	@ 63
Turpentine "	36 @ 37	@ 35	51 @ 51	@ 44
Varnish, coach "	@	1 50 @ 6 00	1 25 @ 2 00	125 @ 3 00
Shellac "	@	2 50 @ 3 00	2 25 @ 4 00	150 @ 3 00
Putty	2 @	2 @ 4	2 @ 2½	2 @ 2½
Whiting (₱ cwt.)	75 @ 1 00	1 @ 1½	1 @ 1½	¾ @ 1
Paris white, (Eng.) (₱ cwt.)	1 30 @ 2 00	2 @ 3	1½ @ 2	1½ @ 2
Litharge, Am	6½ @ 6	7 @ 7½	6½ @ 7	@ 7½
Sienna (burnt)	14 @ 20	14 @ 20	4 @ 16	4 @ 14
Umber "	14 @ 20	14 @ 20	2 @ 10	2 @ 13
HARDWARE.				
Nails: (*Per Cask.*) Spikes, (*wrought.*)	@ 2 85	@	2 75 @ 3 00	per keg @ 2 25
10d. common	@ 2 60	@ 2 10	@ 2 35	@ 2 30
Shingle	@ 3 35	@ 2 50	@ 2 75	@ 2 60
Lath	@ 4 85	@ 3 40	@ 3 65	3 60 @ 4 75
(*Finishing nails according to size.*)	@	@	Add .85 to $1.15	per lb 4 @ 6
(*For casing nails add 75 c. per keg.*)	@	@	" .50 to .90	Add per cask
Butts: 4" x 4" ...(₱ doz. pairs.)	@ 1 00	@ 1 20	@ 90	2 90 (all kinds.) @ 90
Plain	@ 1 50	@ 1 75	*Not Sold.*	1 35 @ 2 00
Japanned	@ 1 50	@ 1 90	2 00 @ 3 75	1 35 @ 2 75
Acorn, Japanned	@ 65	@ 50	*Not Sold.*	48 @ 50
Ball Tip, Boston Finish ...(₱ pair.)	@ 1 90	plain 1 65	2 00 @ 3 25	@ 1 25
Bronze metal	@ 10	@ 10	@ 12	@ 1 00
Brass (for cupboards.)	@	@	@	@ 35
Ebony	@	@	@	37 @ 1 00
Apple wood				
Knobs: (₱ *set.*)	@ 8	@ 8	8 @ 10	@ 08
Mineral, best	@ 50	@ 75	65 @ 80	*Not Sold.*
Lava	*Not Sold.*	17 @ 33	31 @ 40	25 @ 50
Hemacite	@ 30	@ 10	25 @ 30	@ 25
Porcelain	*Not Sold.*	@ 50	*Not Sold.*	1 00 @ 2 50
Glass, solid	*Not Sold.*	88 @ 1 00	@ 1 50	1 75 @ 2 00
Glass, silvered	75 @ 2 00	50 @ 3 00	50 @ 3 00	50 @ 3 50
Bronze metal	1 00 @ 2 50	50 @ 3 00	1 00 @ 3 00	75 @ 1 25
Brass	@	@	13 @ 16	13½ @ 16
Solder:	@	@ 7½	@ 7	@ 6½
Sheet Lead	@	@ 6½	@ 6½	6 @ 6
Lead Pipe	@			
Iron:				
I-Beams, up to and including 36 ft.	3 3-10 @ 3½	@ 3 1-10	@	@ 2 8-10
I-Beams, over 30 ft. ¼, ½, ¾ c. advance	@	@	3 20 @ 3 70	@ 2 8-10
Channel Beams	3 3-10 @ 3½	@ 3 1-10	3 20 @ 3 70	@ 2 8-10

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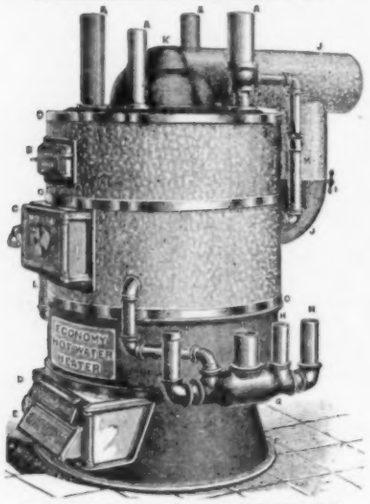

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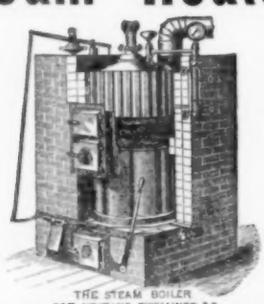

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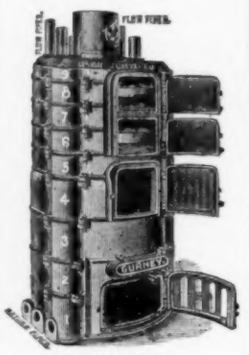

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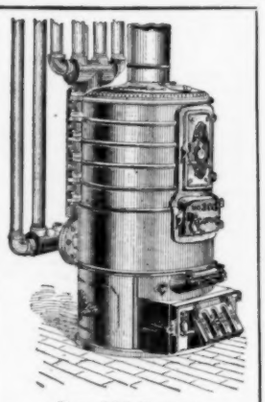

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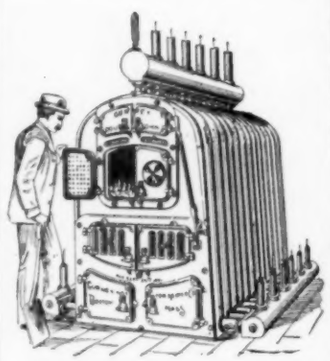

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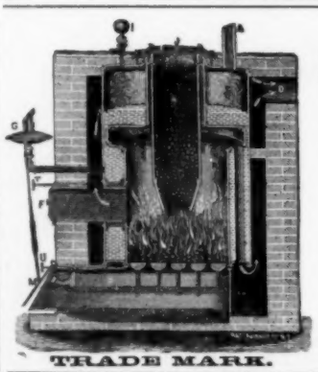

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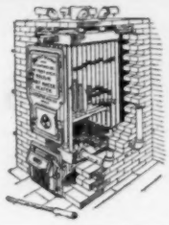

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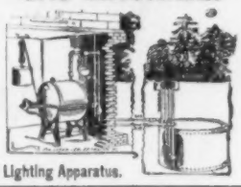

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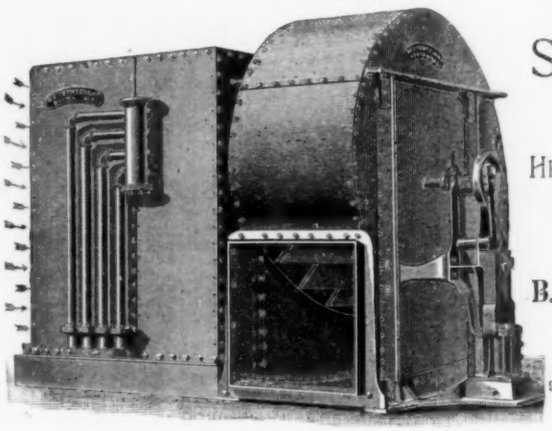

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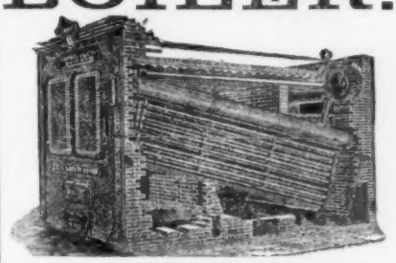

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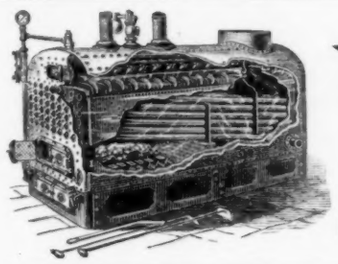

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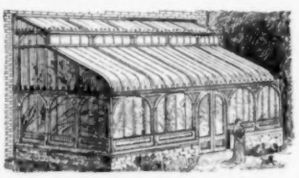

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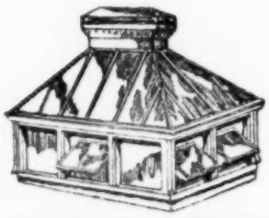

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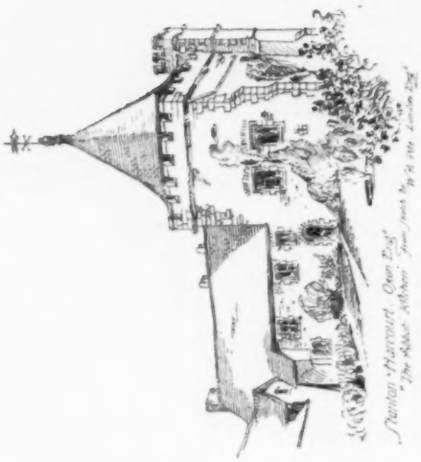

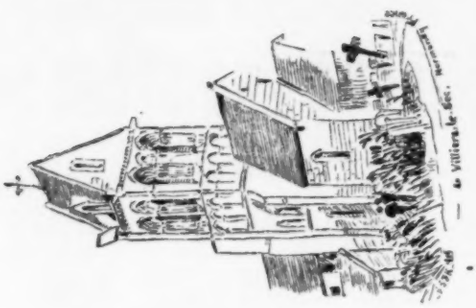

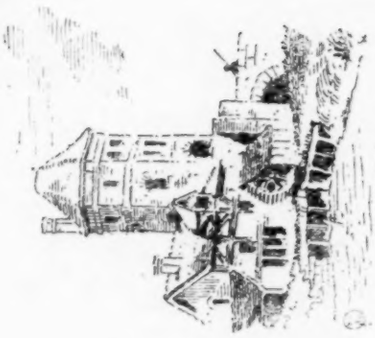

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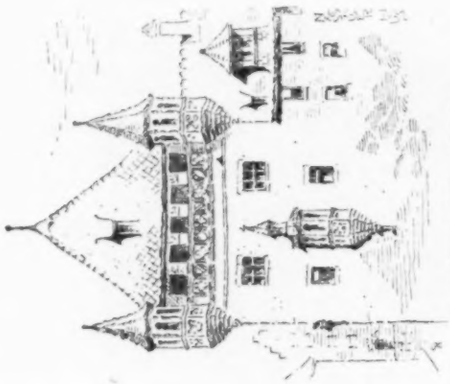

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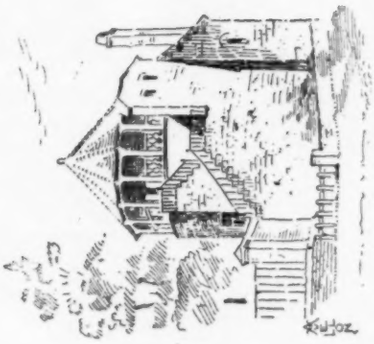

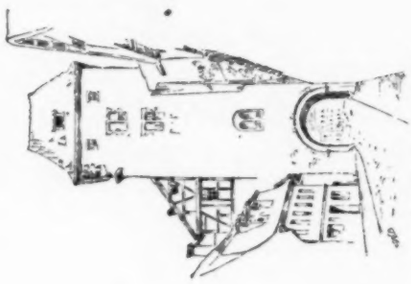

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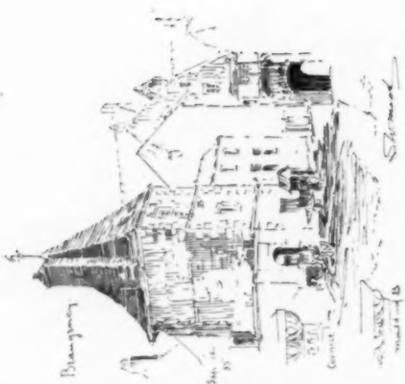

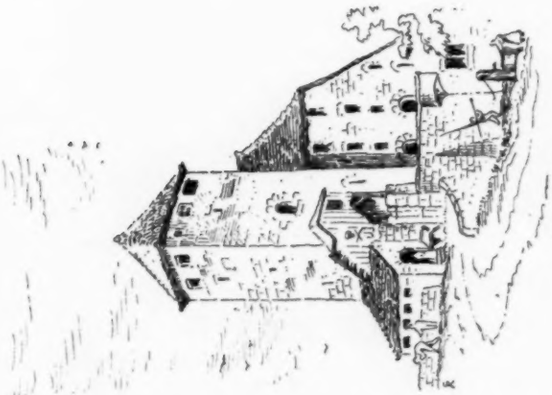

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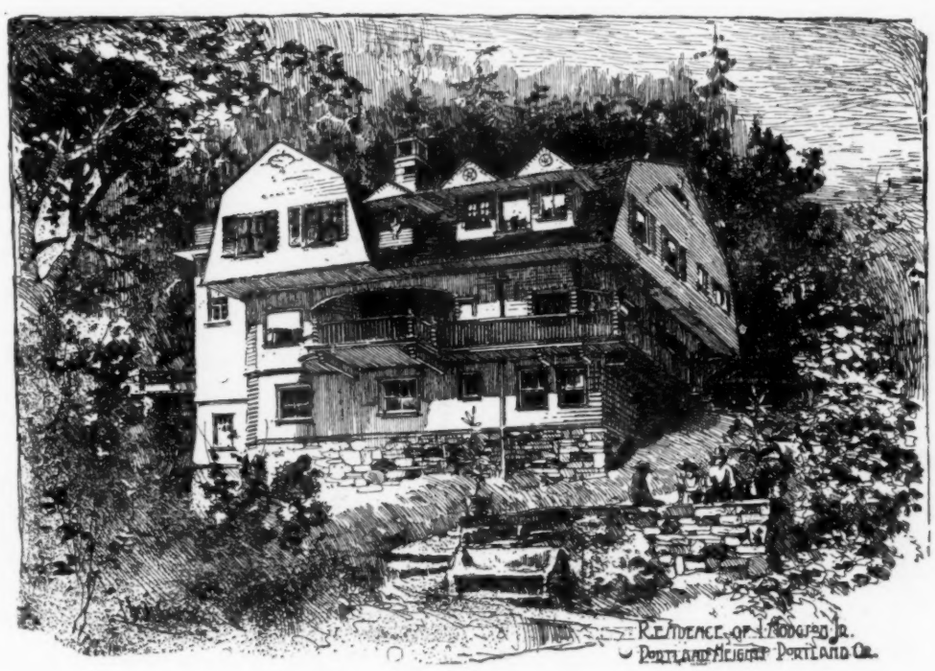

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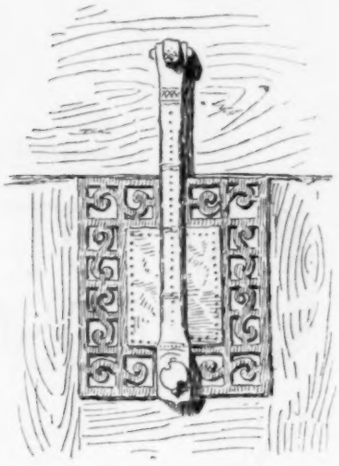

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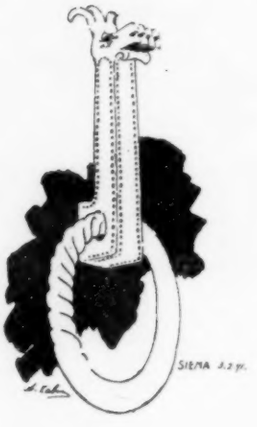

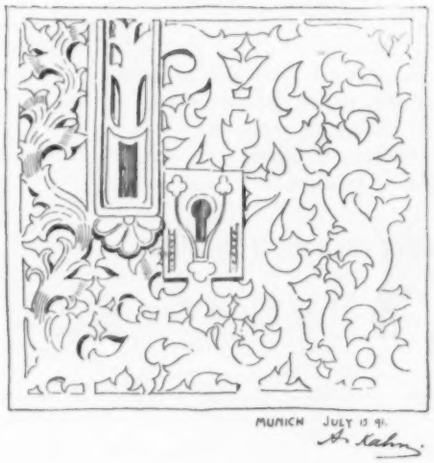

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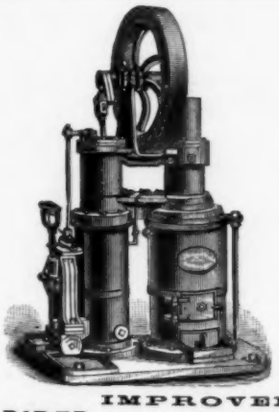

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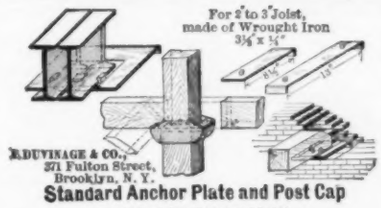

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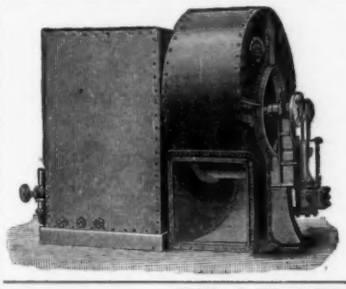

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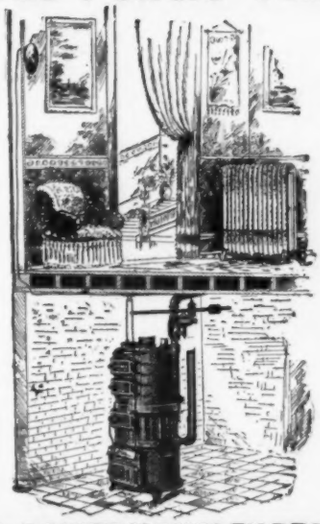

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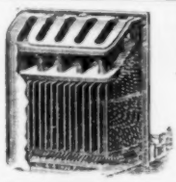

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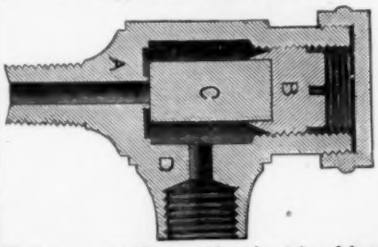

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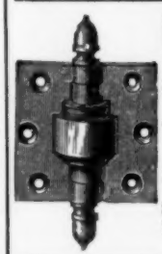

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The following advertisements are omitted in this issue in favor of the Classified Index.

Blake Bell Co.
L. Haberstroh & Son.
Huyett & Smith Mfg. Co.
Hydraulic-Press Brick Co.
J. Miller & Bro.
New Jersey Wire Cloth Co.
N. Y. Architectural Terra-Cotta Co.
Oakley & Keating.
Passaic Rolling Mill Co.
Perth Amboy Terra-Cotta Co
Randolph & Clowes.
Smith & Egge Mfg. Co.
E. Thiele.
Tirrill Gas Machine Co.
Tucker & Titus.
E. Van Noorden & Co.
J. Williams.
E. H. Wootton.

BUILDING PATENTS.

[Printed specifications of any patents here mentioned together with full detail illustrations, may be obtained of the Commissioner of Patents, at Washington, for twenty-five cents.]

474,831. SHUTTER-WORKER. — Abijah H. Hull, Odebolt, Iowa.
474,861. LEVEL.—William Rush, Tyrone, Pa.
474,889. SIPHON. — Holland Wheeler, Lawrence, Kansas.
474,890. FIRE-SHUTTER FOR VENTILATING SHAFTS OF BUILDINGS.—Ludwig Wieland, New York, N. Y.
474,891. BLIND-STOP. — James Wilson, Columbia, Mo.
474,907. HOTEL CALL SYSTEM. — Grant P. Greene, Chicago, Ill.
474,920. AUTOMATIC WEATHER-STRIP. — William H. Orton, James D. Haynes and George H. Orton, Glens Falls, N. Y.
474,961. APPARATUS FOR HEATING AND CIRCULATING WATER. — Henry A. Jones and Joseph E. Marcy, New York, N. Y.
474,978. ROLLING BLOWER FOR FIREPLACES AND GRATES.—Doria Tracy, Toledo, O.
474,980. BURGLAR-ALARM. — Robert G. Vassar, New York, N. Y.
474,982. FIRE-SHUTTER FOR VENTILATING-SHAFTS OF BUILDINGS. — Ludwig Wieland, New York, N. Y.
474,985. WATER-CLOSET APPARATUS. — William Bunting, Flushing, L. I.
475,000. LOCK-STRIKE.—Fred E. Ranney, Belding, Mich.
475,006. PIPE-HANGER. — George C. Blackmore, Newark, N. J.
475,016. ASPIRATOR OR VENTILATOR. — Salvatore Costa, Brooklyn, N. Y.
475,016. STAIRCASE.—John Kiley, Boston, Mass.
475,022. DEVICE FOR OPERATING DOORS TO ELEVATOR WELLS.—John P. Runkel, Milwaukee, Wis.
475,080. SPRING-HINGE. — Levi M. Devore, Freeport, Ill.
475,089. LATCH AND LOCK. — Arthur F. Nixon and Levi L. Gibson, Everton, Mo.
475,105. DOOR-CHECK.—Charles Bew, Angola, Ind.
475,121. LOCK AND LATCH. — John W. Koons, Lehighton, Pa.
475,137. ELECTRIC LOCK. — Frederick Morganthaler, Brooklyn, N. Y.
475,145. LOCK-HINGE. — George Oberbeck, Hoboken, N. J.
475,189. ELECTRIC HEATER. — George D. Burton, Boston, and Edwin E. Angell, Somerville, Mass.
475,202. SASH-CORD GUIDE.—Frank S. Clarkson, Baltimore, Md.

Imports of Building Materials, Etc.,

AT THE PORT OF NEW YORK FOR THE WEEK ENDING JUNE 17, 1892.

From Amsterdam. — Steamer "*P. Caland*," 1,000 casks cement, E. Thiele; 1,000 do., order.

From Antwerp. — Steamer "*Noordland*," 3 cases marble, 71 iron girders, R. F. Downing & Co.; 1,000 casks cement, 4,438 barrels do., order.

From Cardenas. — Steamer "*Cienfuegos*," 400 bags asphaltum, Balsells & Co.

From Bremen. — Steamer "*Batavia*," 168 casks cement, Baetjer & Meyerstein; 4,050 cakes asphaltum, Gabriel & Schall; 4,043 do., Chas. W. Saacke; 1,008 casks cement, 5,145 barrels do., order.

From Fowey. — Bark "*Conductor*," 200 casks stone, Hammill & Gillespie.

From Glasgow.—Steamer "*Anchoria*," 4 cases granite, order. Steamer "*Corean*," 23,000 fire bricks, Hammill & Gillespie; 130 cases granite, Austin Baldwin & Co.; 1 do., Davidson & Sons; 21 blocks stone, G. P. Sherwood; 1 do., Cleveland Stone Co.; 16 cases, granite, order.

From Hull. — Steamer "*Egyptian Monarch*," 226 casks bricks, Meeker & Carter; 1,100 do., E. Thiele.

From Leghorn. — Steamer "*California*," 11 blocks marble, Batterson, See & Eisele; 1 block do., order.

From Liverpool. — Ship "*Clarence S. Bement*," 50,000 fire bricks, order. Steamer "*Etruria*," 127 logs hardwood, order. Steamer "*Nomadic*," 235 casks bricks, Howard Fleming; 172 logs hardwood, order. Steamer "*Majestic*," 25 casks cement, James E. Ward & Co.

From London. — Steamer "*Tower Hill*," 20 casks cement, Prin, Forwood & Co.; 500 do., C. J. Stevens; 1,000 barrels do., 500 casks do., order. Bark "*Competitor*," 2,000 casks cement, C. J. Stevens.

From Nassau. — Steamer "*Johannes Brun*," 37 logs hardwood, C. A. Haynes & Co.

From Newcastle. — Steamer "*Kolpino*," 25,000 fire bricks, Hammill & Gillespie; 560 casks cement, Bowring & Archibald; 20,000 fire bricks, order.

From Nuevitas.—Brig "*Georgie*," 836 logs cedar, 141 do. mahogany, Reynes Bros. & Co.

From Rotterdam. — Steamer "*Obdam*," 1,000 casks cement, E. Thiele. Steamer "*Dubbledam*," 1,000 casks cement, order.

From Stettin. — Steamer "*Polynesia*," 1,500 casks cement, Eisner, Mendelson & Co.; 500 do., 5 fireproof retorts, 2,533 fireproof bricks, 5 cases do., H. Marquardt & Co.; 4,510 casks cement, 1,000 barrels do., order.

From Trinidad. — Schooner "*Loring C. Ballard*," 900 tons crude asphalt, 1 barrel refined do., Brown Bros. & Co.

From Vera Cruz. — Steamer "*Orizaba*," 201 blocks marble, O'Kelly & Co.; 55 bags asphalt, Louis Monjr, Jr., & Co.

From Wentworth, N. S. — Schooner "*Davida*," 600 tons plaster, Gypsum Packet Co. Schooner "*Edward Waite*," 738 tons plaster, J. F. Whitney & Co.

From Windsor, N. S. — Schooner "*Gypsum Queen*," 1,091 tons plaster, J. F. Whitney & Co. Bark "*St. Peter*," 640 tons plaster, J. F. Whitney & Co.

See last or next issue for the following advertisements.

Bailey Reflector Co.
Belmont Iron Works.
Berry Bros.
J. E. Bolles & Co.
Bridgeport Wood Finishing Co.
Central Expanded Metal Co.
Frost & Adams.
Gorton & Lidgerwood.
Okonite Co.
Wm. Powell & Co.
J. B. Prescott & Son.
Samson Cordage Works.
J. J. Schillinger.
Stebbins Mfg. Co.
N. & G. Taylor Co.
Thorn Shingle and Ornament Co.
Wehn Pavement Co,
Wood Mosaic Co.

See the first issue of the month for the following advertisements.

Adamant Mfg. Co.
Atlantic W. Lead & Lin. Oil Co.
Brooks, Shoobridge & Co.
Bureau Bros.
Dubois Mfg. Co.
Esterbrook Pen Co.
I. P. Frink.
H. M. Hansen.
Lane Bros.
A. A. Marks.
A. G. Newman.
F. O. Norton.
R. W. Parry.
Philadelphia Blue Print Co.
J. J. Read.
James H. Rush & Co.
Schwartz Mfg. Co.
J. B. Shannon & Sons.
E. Thiele.
A. B. & W. T. Westervelt.

IMPORTS OF BUILDING MATERIALS, Etc.

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From Stettin. — Steamer "*Polynesia*," 1,500 casks cement, Eisner, Mendelson & Co.; 500 do., 5 fireproof retorts, 2,533 fireproof bricks, 5 cases do., H. Marquardt & Co.; 4,510 casks cement, 1,000 barrels do., order.

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BUILDING INTELLIGENCE.

(Reported for The American Architect and Building News.)

[Although a large portion of the building intelligence is provided by their regular correspondents, the editors greatly desire to receive voluntary information, especially from the smaller and outlying towns.]

ALTERATIONS.

Brooklyn, N. Y. — *Troutman St.*, s s, 225′ w Central Ave., three-st'y brick braid factory, tin roof, one-st'y brick extension, tin roof, and internal and other alterations; cost, $3,500; owners, Schloss & Sons, 15 Mercer St., New York City; architect, Th. Engelhardt, 905 Broadway.

Gerry St., n s, 316′ w Harrison Ave., one-st'y brick boiler-room, gravel roof, changes in roof made, one-st'y brick extension, gravel and tin roof, added and internal and other alterations made; cost, $10,000; owners, Charles Pfizer & Co., 11 Bartlett St.; architect, E. L. Heussner, 11 Bartlett St.

Irving Pl., No. 15, two-st'y frame dwell., raised one story, three and one st'y extension, tin roof, added and internal alterations made; cost, $3,000; owner, C. W. Barlow, 38 Irving Pl.

Tillary St., No. 85, two-st'y frame building, tin roof, raised two stories, four-st'y brick extension, tin roof, added and internal alterations made; cost, $3,000; owner, James Burwell, 11 Clinton Pl.; architect, Daniel Sauer, 684 Herkimer St.

APARTMENT-HOUSES.

Boston, Mass. — *Boylston St.*, near Fairfield St., Ward 11, six-st'y brick apartments, flat roof, 31.8′ × 97′; owner, E. B. Horn; builder, D. L. Rand.

Chicago, Ill. — Louis J. Boyer, three-st'y flats, 4514 St. Lawrence Ave.; cost, $8,000.

M. E. Whitney, two-st'y flats, Lyon St. and Cottage Grove Ave.; cost, $3,000.

C. K. Barnes, three-st'y flats, 669 Dana Ave.; cost, $4,000.

Minneapolis, Minn. — S. J. Turnblad, three-st'y stone and brick flats, 1511 Stevens Ave.; cost, $22,000.

Montreal, Can. — *St. Denis St.*, two apartment-houses; cost, $4,800; owner, A. Deschambault; architect, Vincent Lacombe, 897 St. Catherine St.

(Continued on page xvii.)

FACTS ABOUT

HARD OIL FINISH.

THE RIGHT THING IN THE RIGHT PLACE.

There is an old saying extant to the effect that "one man's meat is another's poison," and this pithy proverb may be not inaptly applied to Varnish.

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BUILDING INTELLIGENCE.

New York, N. Y. — *Madison Ave.*, n w cor. Eighty-seventh St., seven-st'y granite, stone, brick and terra-cotta apartment-house; cost, abt. $150,000; owners, Higgins & King; architect, Henry Anderson.

Madison Ave., s w cor. Ninety-fifth St., seven-st'y brownstone brick and terra-cotta apartment-house; cost, $98,000; owner, William J. Matthews; architect, John C. Burne.

Eighty-eighth St., n s, bet. First Ave. and Avenue A, five-st'y brownstone flats; cost, $20,000; owner, Thos. Frawley; architect, J. C. Burne.

Cortlandt Ave., n w cor. One Hundred and Fifty-seventh St., four-st'y apartment-house; owner, John Hahner; architect, C. F. Lohse.

One Hundred and Fourth St., n s, 150′ w Eighth Ave., five-st'y brick flat, tin roof; cost, $21,000; owner, William Rankin, One Hundred and Sixty third St. and North River; architect, James W. Cole, 403 West Thirty-first St.

Seventy-fifth St., s s, 163′ e First Ave., five-st'y brick flat, tin roof; cost, $24,000; owner, Michael Coffey, 338 East One Hundred and Fourteenth St.; architect, Andrew Spence, 163 East One Hundred and Twenty-fifth St.

CHURCHES.

Quebec, Que. — *Orleans Island*, Roman Catholic Church; owner, Rev. W. Blais, curate; architect, David Ouellet, St. Jean St.

Rimouski, Que. — Roman Catholic Church; owner, curate, Rev. A. Audet; architect, David Ouellet, St. Jean St., Quebec, Que.

Vandreuil, Que.—R. C. Chapel; cost, $10,000; owner, J. O. Godin, curate; architect, Théo. Daoust, 162 St. James St., Montreal, Can.

FACTORIES.

Brooklyn, N. Y. — *Irving St.*, n s, 50′ e Van Brunt St., six-st'y brick factory, gravel and tar roof; cost, $15,000; owners, Marx & Rawolle, Van Brunt and Irving Sts.; architect, Geo. P. Chappell, 24 State St., New York City; builder, F. J. Ashfield, 647 St. Marks Ave.

Plymouth St., n s, 100′ w Bridge St., five-st'y brick factory, gravel roof; cost, $16,000; owner, Mrs. A. M. Sadlier, 11 Barclay St., New York City; architect, Mucien Thomas, 16 Court St.

Irving St., n s, 123′ e Van Brunt St., 2 five-st'y brick factories, storehouse and dwell., gravel and tar roofs; cost, $20,000; owners, Marx & Rawolle, Van Brunt and Irving Sts.; architect, Geo. P. Chappell, 24 State St., New York City; builder, F. J. Ashfield, 647 St. Marks Ave.

Troutman St., s s, 100′ w Central Ave., three-st'y brick braid factory, tin roof; cost, $9,000; owners, Schoss & Sons, 15 Mercer St., New York City; architect, Th. Engelhardt, 905 Broadway.

South Fifth St., s w cor. Hewes St., five-st'y brick shoe factory, gravel roof; cost, $31,000; owners, Thomas & Co., 304 Hewes St.; architect, Th. Engelhardt, 905 Broadway.

New York, N. Y. — *West Thirtieth St., Nos.* 114, 120, six-st'y brick factory, tin roof; cost, $63,500; owner, Joseph Tuckerman, Newport, R. I.; mason, Warren A. Conover, 324 West Nineteenth St.

Ridge St., Nos. 119-127, *rear*, six-st'y brick factory, tin roof; cost, $18,000; owner, Julia L. Delafield, 475 Fifth Ave; architect, Fred Wandelet, 21-23 Centre St.

Forty-seventh St., No. 547, two-st'y brick factory, tin roof; cost, $4,000; owner, Wm. Dassler, 547 West Forty-seventh St.; architect, Henry Anderson, 1180 Broadway.

Broux River, n w cor. One Hundred and Forty-fifth St., one-st'y brick factory, peaked slate roof; cost, $3,500; owners, Northern Gas-light Co., 1845 Vanderbilt Ave.; architect, Henry S. Hine, 47 Broadway.

HOTELS.

Chicago, Ill. — Sheridan Hotel Co., four-st'y hotel, 6325-6327 Sheridan Ave.; cost, $6,000.

R. Wastsch, three-st'y hotel, 6436-6442 Stony Island Ave.; cost, $25,000.

J. S. Stewart, three-st'y hotel, 6422 Sheriden Ave.; cost, $5,000.

R. Walsh, four-st'y hotel, 6426-6428 Stony Island Ave.; cost, $19,500.

C. S. Winslow, four-st'y hotel, 6420-6422 Stony Island Ave.; cost, $21,800.

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BUILDING INTELLIGENCE.

W. G. O'Brien, four-st'y hotel, 6406-6408 Stony Island Ave.; cost, $22,000.

W. Richardson, three-st'y hotel, 6400-6408 Madison Ave.; cost, $35,000.

H. Henshen, four-st'y hotel, 6501-6503 Sheriden Ave.; cost, $12,000.

John Hayes, three-st'y hotel, 482-492 Sixty-fourth St.; cost, $25,000.

Mrs. M. G. Thompson, hotel, 6349-6359 Cottage Grove Ave.; cost, $18,000.

W. S. Wallace, three-st'y hotel, Madison Ave. and Sixty-third St.; cost, $8,000.

W. G. Wallace, three-st'y hotel, 6020-6022 Sheriden St.; cost, $8,000.

HOUSES.

Allegheny City, Pa. — Dwell.; cost, abt. $10,000; owner, W. F. Davis, Esq.; contractor, R. H. Davis.

Marshall St., 8 two-st'y frame dwells.; cost, abt. $20,000; owner, A. J. Pentecost.

Allston, Mass. — *Everett Square*, six double frame cottages, 30.6′ x 112′; also two double frame cottages, 30.6′ x 38′; all to cost about $16,000; owner, John S. Evans; builders, Allcock & McKay; architect, Eugene L. Clark, Boston.

Linden St., frame dwell., 28′ x 41′; cost, $5,000; owner, Wheeler Brown; builder, Charles Hampton; architect, Eugene L. Clark, Boston.

Webster St., frame dwell., 26′ x 37′; cost, about $4,000; owner, S. B. Shapleigh; builder, A. E. Ellis; architect, Eugene L. Clark, Boston.

Arlington, Mass. — Frame dwell., 27′ x 38′; owner, Wm. E. Rand; contract to be let; architect, Willard M. Bacon, Boston.

Auburndale, Mass.—Frame dwell., 31′ x 46′; owner, Joseph Huestis; contract to be let; architect, Willard M. Bacon, Boston.

Boston, Mass. — *West Broadway, No.* 125, Ward 13, four-st'y brick dwell., flat roof, 25′ x 65′; owner, James Walker; builders, Berry & Watson.

Ballard St., rear, near Custer St., Ward 23, frame dwell., 24′ x 32′; owner, John Egan; builder, J. F. Sullivan.

Smith St., near Duck Lane, Ward 25, frame dwell., 15′ x 23′; owner, Catherine Cotter; builder, R. McLellan.

Tremont St., near Gurney St., Ward 22, four-st'y frame dwell. and store, flat roof, 30′ x 38′; owner, Oscar Lefevre; builder, W. McDonald.

Eldora St., near Sunset St., Ward 22, five frame dwells., about 23′ x 30′; owner, T. C. Wait estate; builders, Tighe & Frazar.

Lanark Road, near Kilsyth Road, Ward 25, frame dwell., hip roof, 37′ x 45.6′; owner and builder, E. L. Rogers.

Minden St., near Day St., Ward 22, three-st'y frame dwell., pitch roof, 25′ x 44′; owner, Miss M. E. Doyle; builder, J. F. Sullivan.

Sagamore St., near Belfort St., Ward 24, three frame dwells., 14′ x 38′ and 27.6′ x 36′; owner, C. Proctor; builder, W. J. Hatch.

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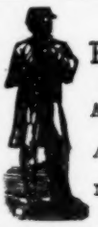
Chicago: Milliken & Co., 50 Dearborn St.
Boston: F. A. Ijoudiette & Co., 272 Franklin St.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J. S. THORN,
Architectural Sheet-Metal Works.
Metal Building Trimmings, Ventilating Skylights Metallic Roofing Tiles, Building Specialties, Builders' Light Iron Work of every description.
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PHILADELPHIA, PA.

BUILDING INTELLIGENCE.

Leicester St., near Washington St., Ward 25, frame dwell., 26′ x 49.6′; owner, J. J. Collins; builder, J. A. Dooley.

Bowdoin Ave., near Bowdoin St., Ward 24, two-st'y frame dwell., hip roof, 17.6′ x 38′; owner, Mrs. M. Keeser; builder, J. A. Leslie.

Millett St., near Talbot Ave., Ward 24, frame dwell., 24′ x 32′; owner, James Hancock; builders, Kennedy & Burns.

Lawn St., near Heath St., Ward 22, three-st'y frame dwell., hip roof, 25′ x 48′; owner, Margaret Daly; builder, J. J. Flynn.

Westville St., near Arcadia St., Ward 24, three-st'y frame dwell., flat roof, 29′ x 55′; owner, F. H. Silks; builder, D. Currier.

West Eagle St., cor. Brooks St., Ward 1, three-st'y frame dwell., flat rool, 25′ x 48′; owner, Mrs. M. J. Hunter; builder, W. McKee.

East Broadway, Nos. 883-885, Ward 14, 2 three-st'y frame dwells., flat roofs, 21.6′ x 65.2′; owner, Miss Abbie Brooks; builder, W. T. Eaton.

Beacon St., No. 476, Ward 11, four-st'y brick dwell., flat roof, 22′ x 68′; owner, Miss Lucy Ellis; builder, G. W. Morrison.

Baxter St., No. 58, Ward 15, three-st'y frame dwell., flat roof, 24′ x 28′; owner, Mary E. Lynch; builder, M. McLean.

Perham St., near Winslow St., frame dwell., 16′ x 32′; owner, H. W. French; builder, G. A. Spear.

Parsons St., cor. Bennett St., Ward 25, frame dwell., 54′ x 56′; owner, Lawrence Kennedy; builder, J. W. Dooly.

Pleasant Pl., off Savin Hill Ave., Ward 24, frame dwell., 20.6′ x 34.8′; owner, Justina McKechnie; builder, P. F. McKechnie.

Walnut Park, near Washington St., Ward 21, three-st'y frame dwell., pitch roof, 24′ x 42′; owners, Billings & Nolen; builder, W. Tobin.

Hulbert St., near Ray St., Ward 21, three-st'y frame dwell., flat roof, 24′ x 47′; owner, Anne McNamara; builder, W. McDonald.

Dewey St., cor. Dacia St., Ward 20, three-st'y frame dwell., flat roof, 36.8′ x 40.8′; owner, Malachi O'Brien; builder, P. F. Hanley.

Thornton St., cor. Guild St., Ward 21, three-st'y frame dwell., flat roof, 24′ x 48′; owner, M. F. Curley; builder, M. J. Fish.

St. John St., near Centre St., Ward 23, frame dwell., hip roof, 35′ x 44′; owner, C. L. Hill; builder, H. H. Stevens.

Mayfair St., No. 11, Ward 21, frame dwell., hip hip roof, 30′ x 40′; owner, M. Fay; builder, T. S. Brown.

Spring St., near Centre St., Ward 23, frame dwell., 16′ x 32′; owner, Mrs. W. Morris; builder, G. A. Spear.

Tremont St., near Parker Hill Ave., Ward 22, three-st'y frame dwell., flat roof, 25.4′ x 50.4′; owner, Thomas Maloney; builder, F. H. Pineo.

Harold St., near Crawford St., Ward 21, frame dwell., 28′ x 41′; owner, E. W. Cottrell; builder, J. P. Campbell.

Humboldt Ave., near Walnut Ave., Ward 21, three-st'y frame dwell., pitch roof, 23.6′ x 66′; owner, F. W. Kittredge; builder, G. D. Crouss.

Hampden St., near Eustis St., Ward 20, three-st'y frame dwell., flat roof, 25′ x 38.8′; owner, Michael Herlihey.

Burnett St., near Washington St., Ward 23, three-st'y frame dwell., hip roof, 25′ x 40′; owner, Wm. Peterson; builder, J. P. Campbell.

Leyland St., Nos. 30 and 32, Ward 20, 2 three-st'y frame dwells., flat roofs, 23′ x 57′; owner and builder, A. D. Gould.

Dorset St., No. 21, Ward 15, frame dwell., 23′ x 52′; owner, J. H. Mahoney; builders, Howard Bros.

Dewey St., cor. Dacia St., Ward 20, 3 three-st'y frame dwells., flat roofs, 25.4′ x 52.4′; owner, Patrick Herlihey; builder, M. J. Curley.

Temple St., near Ivory St., Ward 23, frame dwell., hip roof, 27′ x 41′; owner, Mrs. E. J. Temple; builder, W. B. Rolfe.

Paul Gore St., near Chestnut Ave., Ward 23, frame dwell., 30′ x 46′; owner, Sebastian Gahm.

Munroe St., near Humboldt Ave., Ward 21, three-st'y frame dwell., pitch roof, 26′ x 56′; owner, Jos. Spang; builder, Charles Lemmler.

Arundel St., near Centre St., Ward 23, frame dwell., 21′ x 32′; owner and builder, Carl A. Olsson.

Moultrie St., Nos. 15 to 19, Ward 24, three frame dwells., 27′ x 37′; owner and builder, J. F. Haddock.

Brookline, Mass. — *Road No.* 2, off Beacon St., frame dwell., 40′ x 45′; cost, $12,000; owner, Wm. H. Mills; builder, F. O. Morrill; architect, Eugene L. Clark, Boston.

Brooklyn, N. Y. — *Classon Ave.*, w s, 43′ 9″ s Quincy St., 3 two-and-one-half-st'y brick dwells., felt and gravel roofs; cost, $18,000; owner, H. De Savella, 419 Monroe St., architect, John D. Young, 287 Halsey St.

St. Mark's Ave., s s, 175′ e Franklin Ave., 5 two-st'y brick dwells., gravel roofs; cost, $4,500 each; owner, Mary E. Fowler, 181A Halsey St.; architect, F. W. Fowler, 637 Prospect Pl.; builder, Levi Fowler, 181A Halsey St.

McDonough St., s s, 180′ w Patchen Ave., 2 two-st'y brick dwells., tin roofs; cost, $4,500 each; owner, Charles F. Naughton, 282 Hooper St.; architect, H. W. Billard, 147 Sixteenth St.

Thirty-fourth St., s s, 80′ w Fourth Ave., four-st'y brick dwell., tin roof; cost, $5,000; owner, Wm. Bowers, Fennimore St., Flatbush, L. I.

First St., n s, 212′ w Seventh Ave., 6 three-st'y brick dwells., tin and slate roofs; cost, $6,000 each; owner and builder, James Mills, 1026 Bedford Ave.; architect, F. B. Langston, 1239 Bedford Ave.

McDonough St., s s, 100′ w Patchen Ave., three-st'y brick dwell., tin roof; cost, $5,500; owner and builder, Charles F. Naughton, 382 Hooper St.; architect, H. W. Billard, 147 Sixteenth St.

Hancock St., s s, 255′ 4″ w Reid Ave., 5 two-and-one-half-st'y brick dwells., tin roofs; cost, $5,000 each; owner, architect and builder, John J. De Rever, 844 Putnam Ave.

Hancock St., s s, 236′ 5″ w Reid Ave., two-st'y brick dwell., tin roof; cost, $4,000; owner, architect and builder, John J. De Rever, 844 Putnam Ave.

McDonough St., 120′ w Patchen Ave., three-st'y brick dwell., tin roof; cost, $5,500; owner and builder, Charles F. Naughton, 282 Hooper St.; architect, H. W. Billard, 147 Sixteenth St.

Linwood St., w s, 100′ s Atlantic Ave., two-st'y frame dwell., tin roof; cost, $3,000; owner, Wm. Doran, Atlantic Ave. and Linwood St.; architects, Danmar & Fischer, Atlantic and Van Siclen Aves.

Jerome St., w s, 100′ n Eastern Parkway, 6 two-st'y frame dwells., tin roofs; cost, $2,200 each; owner, Theo. M. Le Beau, 57 Ashford St.; architect, Charles Infanger, 126 Van Siclen Ave.

Camden, N. J.—*Kaighn Ave., No.* 526, two-st'y brick dwell.; owner, S. R. Hardin, 1202 Broadway.

Broadway, No. 1742, two-st'y brick dwell.; owner, S. C. Childs, 1101 South Fourth St.

Cooper St., w s, bet. Tenth and Eleventh Sts., 19 two-st'y brick dwells.; owner and builder, William C. J. Aitken, 422 Market St.

Chestnut Hill, Mass.—*Chiswick Road*, cor. Berwick Road, frame dwell., 35′ x 52′; cost, $9,000; owner, Charles E. A. Hiss; builder, Wm. Pettigrew; architect, Eugene L. Clark, Boston.

Chicago, Ill.—Samuel Sherman, four-st'y dwell., 551 North State St.; cost, $20,000.

M. V. Hagt, two-st'y dwell., 3267 Beacon St.; cost, $3,000.

Charles Kern, three-st'y dwell., 4032 Grand Boulevard; cost, $25,000.

William R. Kerr, two-st'y dwell., 5124 Washington Ave.; cost, $7,000.

James Michael, two-st'y dwell., 523 West Monroe St.; cost, $5,000.

Louis Schroeder, three-st'y dwell., 1314 Frederick St.; cost, $16,000.

Herman Grossman, two-st'y dwell., 3922 Grand Boulevard; cost, $15,000.

George C. Watts, 2 three-st'y dwells., 4426-4428 Grand Boulevard; cost, $30,000.

S. V. Wyingardin, two-st'y dwell., Wabash Ave. and One Hundred and Ninth St.; cost, $15,000.

C. P. Johnson, three cottages, 946-950 Mead St.; cost, $3,000.

J. S. Cooper, three-st'y dwell., 2733 Michigan Ave.; cost, $30,000.

P. N. Marks, two-st'y dwell., 7340 Harvard St.; cost, $3,500.

B. Oxman, two-st'y dwell., 6836 Union Ave.; cost, $3,000.

James Schreiber, cottage, 6926 Loomis St.; cost, $6,000.

George Seaverns, three-st'y dwell., 3833 Michigan Ave.; cost, $25,000.

J. M. Abill, two-st'y dwell., 1173-1175 Lawndale Ave.; cost, $5,500.

J. Terry, 2 three-st'y dwells., 4217-4219 Grand Boulevard; cost, $30,000.

Walter Jenkins, two-st'y dwell., 416 Ninety-third St.; cost, $3,000.

E. L. Hambteon, two-st'y dwell., 129 Buena Ave.; cost, $8,000.

C. J. Blanchard, 2 two-st'y dwells., State and Twelfth Sts.; cost, $3,000.

W. S. Cunningham, three-st'y dwell., 3547 Michigan Ave.; cost, $15,000.

L. P. Hammond & Co., 2 two-st'y dwells., 476 and 392 Eddy St.; cost, $3,600.

L. P. Hammond & Co., 5 two-st'y dwells., 2765-2771 Robey St.; cost, $9,000.

F. S. Bouton, 3 three-st'y dwells., 6111-6115 Woodlawn Ave.; cost, $14,000.

J. L. Cochran, two-st'y dwell., 1047 Kenmore St.; cost, $3,000.

C. M. Gordon, two-st'y dwell., Marquette and Halsted Sts.; cost, $11,000.

Irottar Mahan, two-st'y dwell., 5532 Monroe Ave.; cost, $8,000.

W. Pullman Land Co., six cottages, Union Ave. and One Hundred and Nineteenth St.; cost, $5,100.

A. M. Hill, two-st'y dwell., Irving Ave. and Centre St.; cost, $7,600.

George F. Harding, 2 two-st'y dwells., 3319-3321 Vernon Ave.; cost, $14,000.

J. W. Hoyt, two-st'y dwell., 5210 Hubbard Ave.; cost, $9,000.

West Pullman Land Co., six cottages, Jefferson Ave. and One Hundred and Twentieth St.; cost, $5,100.

Cook Sherwin & Co., 2 two-st'y dwells., 3114-3122 North Forty-first St.; cost, $3,600.

O. O. Powers, three-st'y dwell., 5416-5418 Jefferson Ave.; cost, $20,000.

Thomas L. Silmer, two-st'y dwell., 3220 Lake Park Ave.; cost, $5,000.

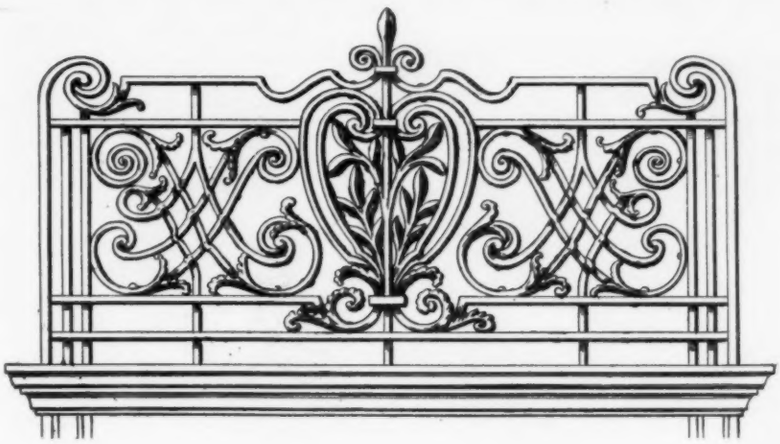
Charles E. Spinger, 13 three-st'y dwells., Forest Ave. and Thirty-eighth St.; cost, $50,000.

Devon, Pa. — Two-st'y stone and frame dwell.; owner, H. C. Wilt; architect, Frank R. Watson, 518 Walnut St., Philadelphia, Pa.

Dorchester, Mass.—*Bicknell St.*, frame dwell., 28′ x 44′; owner, M. Varnum Swift; contract to be let; architect, Willard M. Bacon.

Frame dwell., 34′ x 44′; owner, W. E. Woodman;

(*Continued on page* xxi.)



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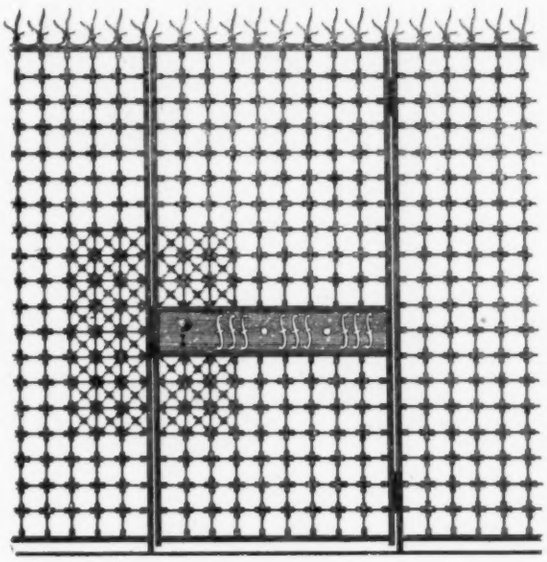
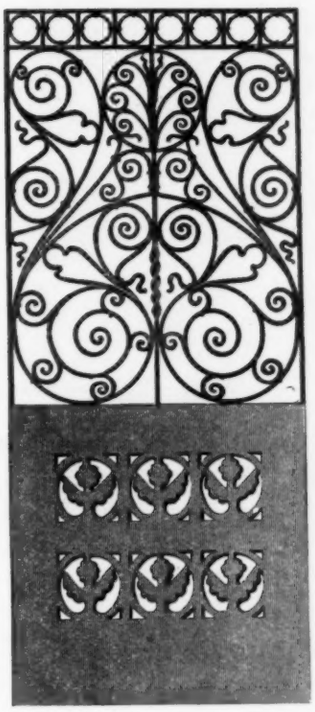
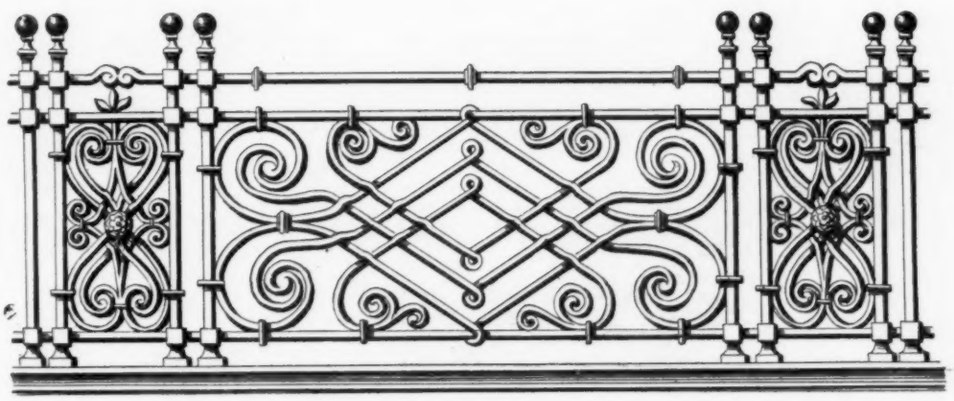
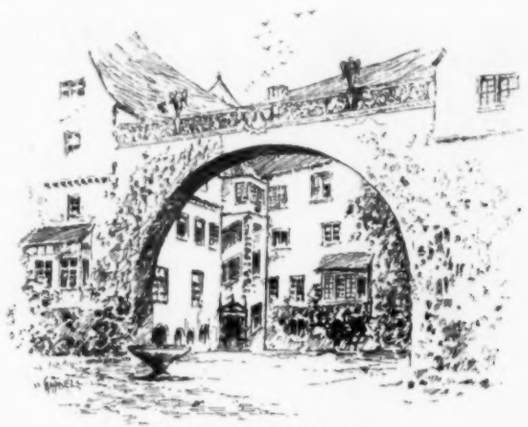


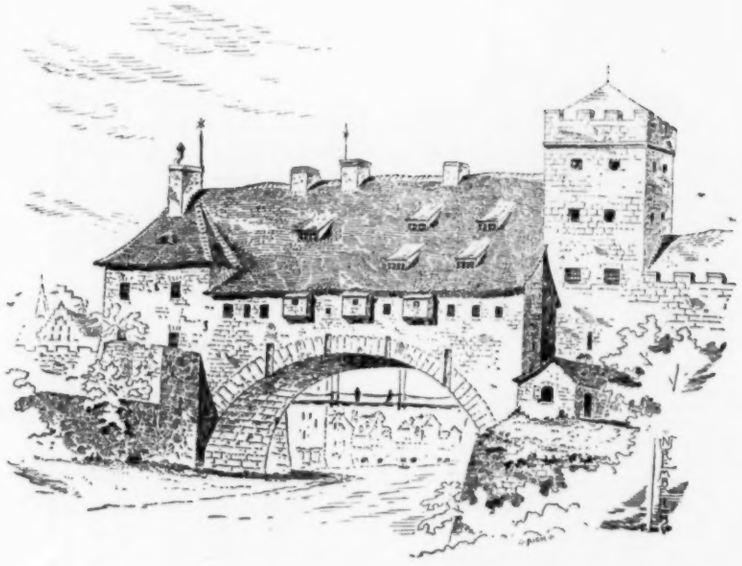




SEND TO US FOR ESTIMATES FOR ALL KINDS OF IRON WORK FOR BUILDINGS.



Court-yard of Erbach Castle.



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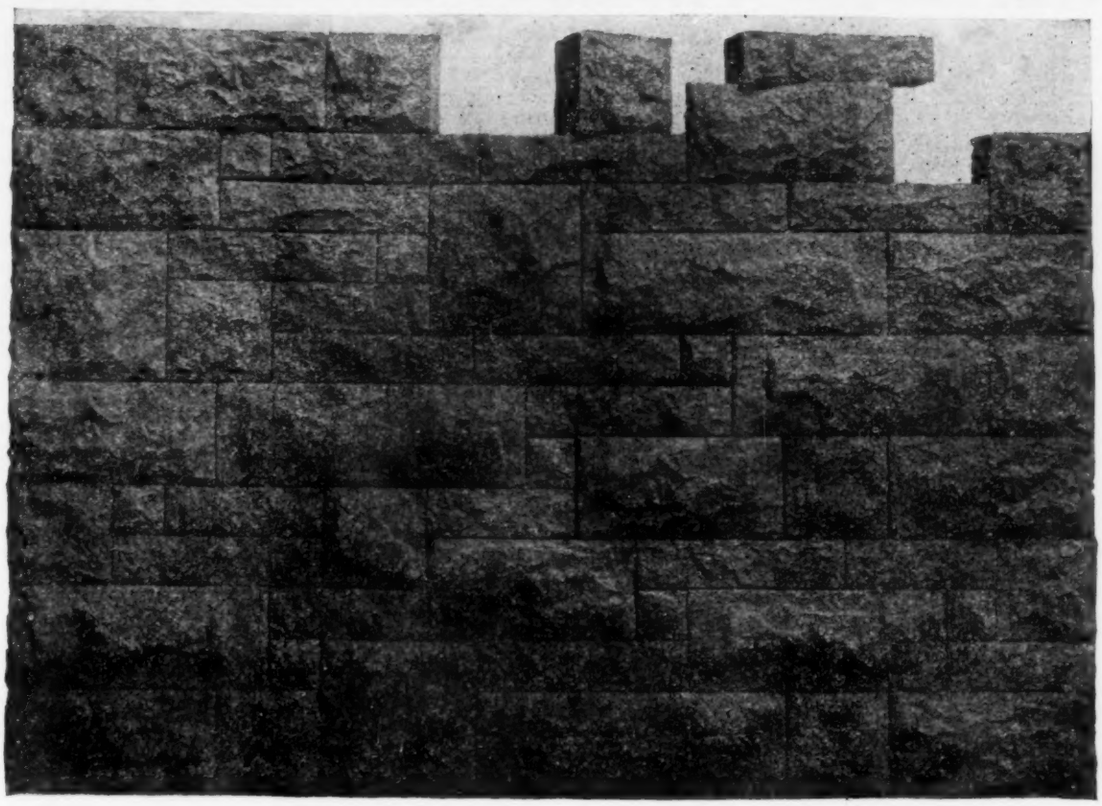

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BUILDING INTELLIGENCE.

contract to be let; architect, Willard M. Bacon, Boston.

Carleton Park, frame dwell., 38′ x 42′; owner, Jos. E. B. Carleton; contract to be let; architect, Willard M. Bacon, Boston.

Mt. Bowdoin, frame dwell., 38′ x 42′; old colonial style; owner, Mrs. Martha M. Keezer; contract to be let; architect, Willard M. Bacon, Boston.

Frankford, Pa. — *Leiper St.*, three-st'y stone and brick dwell.; owner, F. W. Harmann; architect, Horace W. Castor, 4627 Penn St.

Lebanon, Pa. — *South Sixth St.*, near Walnut St., brick dwell. will be built for John Keller.

Three brick dwells. will be built by John H. Cilley.

South Sixth St., frame dwell.; owner, Uriah B. Siegrist.

Malden, Mass. — *Elm St.*, frame dwell., 40′ x 60′; cost, about $7,500; owner, Percy E. Walbridge; architect, Eugene L. Clark, Boston.

Minneapolis, Minn.—Geo. E. Hayes, two-st'y stone and frame dwell., 2201 South Bryant Ave.; cost, $12,000.

John Nicholson, two-st'y brick and stone dwell., 2939 Park Ave.; cost, $25,000.

Jesse G. Jones, two-st'y brick and stone dwell., 2937 Park Ave.; cost, $25,000.

Geo. W. Van Dusen, two-and-one-half-st'y Jasper stone fireproof dwell., 1900 Vine Pl.; cost, $45,000.

Montreal, Can.— *St. Charles Borrominee St.*, dwell.; cost, $4,500; owner, Jos. Gauthier; architect, Théo. Daoust, 162 St. James St.

Mignonne St., three-st'y dwell.; cost, $4,500; owner, Pierre Bourdon; architect, J. Alcid Chaussé, 153 Shaw St.

St. Charles Borrominee St., four-st'y dwell.; cost, $5,000; owner, Mrs. M. C. Brunelle; architect, Guadias Simard, 1585 St. Catherine St.

Harmonie St., private dwell.; cost, $8,500; owner, Ed. Chaussé, 153 Shaw St.; architect, J. Alcide Chaussé, 153 Shaw St.

Newton Highlands, Mass. — *Chester St.*, frame dwell., 30′ x 45′; cost, $7,000; owner, J. Henry Watson; builder, William Pettigrew; architect, Eugene L. Clark, Boston.

New York, N. Y.—*Seventy-first St.*, s s, 115′ w Boulevard, 3 three-and-one-half-st'y brownstone dwells.; cost, $50,000; architects, Messrs. Neville & Bagge.

West End Ave., s e cor. Ninety-ninth St., 6 three-st'y brick dwells., tin roofs; cost, $88,000; owner, George W. Eggers, 103 West Ninety-third St.; architect, Ed. Wenz, 1491 Third Ave.

Southern Boulevard, n e cor. Hull Ave., three-st'y stone and frame dwell., peak shingle roof; cost, $9,500; owner, John A. Ammidson, 146 Broadway; architect, Edgar K. Bourne, 18 Broadway.

Bailey Ave., w s, 27′ n McCombs St., three-st'y brick and frame dwell., mansard tin roof; cost, $6,000; owner, Geo. Shrady, Bailey Ave., Kingsbridge; architect, Frans L. Blom, 4 East One Hundred and Thirty-second St.

Union Ave., w s, 128′ s One Hundred and Sixty-eighth St., three-st'y brick and frame dwell., tin roof; cost, $4,000; owner, Andrew Jawz, 764 East One Hundred and Sixty-sixth St.; architect, Fred J. Miller, 727 East One Hundred and Sixty-third St.

Ninetieth St., n s, 250′ e Columbus Ave., 2 four-st'y brick dwells., tin roofs; cost, $56,000; owner, W. F. Anderson, 150 West Ninety-fourth St.; architect, Herman Horenburger, 682 East One Hundred and Fifty-ninth St.

Ninety-sixth St., s s, 125′ w Central Park West, 4 four-st'y brick dwells., tin roofs; cost, $72,000; owner and architect, Edward Kilpatrick, 42-50 West Sixty-seventh St.

Eighty-fifth St., s s, 175′ w West End Ave., 6 three-st'y brick dwells., mansard, tin and tile roofs; cost, $108,000; owner, Charles G. Judson, 871 Boulevard; architect, Clarence True, Eighty-eighth St. and Boulevard.

Decatur Ave., w s, 225′ n Southern Boulevard, 2 three-st'y stone and frame dwells., peak shingle roof; cost, $14,000; owner, Charles Heylman, 561 Buckhout St.; architect, J. J. Vreeland, 711 East One Hundred and Seventy-seventh St.

Oak Lane, Pa. — Two-and-one-half-st'y frame and stone dwell., shingle roof; owner, Clinton Latourette; architect, Frank R. Watson, 518 Walnut St., Philadelphia.

Oxford, Pa.—Dwell. will be built by Mr. Griffith.

Philadelphia, Pa. — *Tremont St.*, s w s, bet. Gaul and Walker Sts., 22 two-st'y brick dwells.; builder, W. T. Albrecht, 2341 North Twenty-ninth St.

South Twelfth St., No. 210, four-st'y brick dwell.; contractors, John C. Kelley & Son, 1218 Brown St.

Hancock St., e s, s Walnut St., 8 three-st'y brick dwells.; contractors, Fred May & Son, 85 Haines St.

Mundell St.; s w cor. Fifteenth St., three-st'y brick and stone dwell.; owner, W. G. Serrill, cor. Glenwood Ave. and Fifteenth St.

Fifteenth St., w s, n Lehigh Ave., 22 three-st'y brick and stone dwells.; owner, W. G. Serrill, cor. Glenwood Ave. and Fifteenth Sts.

Watkins St., n s, e Eighteenth St., 12 two-st'y brick dwells.; owner, Henry Shetzline, cor. Mifflin and Seventeenth Sts.

Carpenter St., n w cor. Eighth St., three-st'y brick dwell.; builder, Porter Thompson, 2037 Filbert St.

Ogden St., n s, e Forty-first St., 3 three-st'y brick dwells.; owners, W. T. Shedwick & Bro., 3410 Mt. Vernon St.

Fifty-fourth St., w s, s Lancaster Ave., eight dwells.; owner, J. W. Cornell, 1919 Woodstock St.

Springfield Ave., s s, bet. Farragut and Forty-sixth Sts., 6 three-st'y stone and brick dwells.; owner, George Baishlag, 4911 Aspen St.

American St., w s, n Indiana Ave., 22 three-st'y brick dwells.; owner, James S. Hagan, 2901 North Third St.

Carpenter St., No. 1125, three-st'y brick dwell.; owner, Frank Cunio, n w cor. Christian and Eighth Sts.

Adeline St., s w s, near Greenway Ave., 22 two-st'y brick and stone dwells.; owner, H. J. Vesy, 2000 West Twelfth St.

Thirty-ninth St., w s, n Poplar St., 8 two-st'y brick dwells.; owner, Jacob R. Jordan, 1626 South Broad St.

Tioga St., n s, bet. Seventeenth and Eighteenth Sts., 3 three-st'y brick dwells.; contractor, Wm. McKee, 513 Brown St.

Wakeling St., n s, e Cedar St., stone dwell.; contractor, James S. Swope, 4629 Frankford Ave.

Ontario St., s e cor. Second St., two-st'y frame and brick dwell.; owner, Joseph S. Hogan, 2901 North Third St.

Dauphin St., n s, bet. Twenty-seventh and Twenty-eighth Sts., 7 two-st'y brick dwells.; owners, Poit & Moss, 2340 North Twenty-ninth St.

Mascher St., w s, n Columbia Ave., two-st'y brick dwell.; contractor, W. W. Stehr, 2330 Adams St.

Twentieth St., e s, n York St., 32 three-st'y brick dwells.; builders, Coffee & Wott, 1701 North Twentieth St.

Ormes St., e s, n Indiana Ave., 16 two-st'y brick and stone dwells.; builder, Jacob Marsch, 2825 Germantown Ave.

Diamond St., n and s s, bet. Thirtieth and Thirty-first Sts., 12 three-st'y brick and stone dwells.; builders, James H. Stevenson & Son, cor. Diamond and Thirtieth Sts.

Seigel St., s s, bet. Eighteenth and Nineteenth Sts., 9 two-st'y brick dwells.; owners, Prettyman & Martin, 1622 Christian St.

Nineteenth St., e s, n Mifflin St., 8 two-st'y brick dwells.; owners, Prettyman & Martin, 1622 Christian St.

Tasker St., n s, e Seventh St., two-st'y brick dwell.; owner, W. Henderson, 1915 Ellsworth St.

Tasker St., n s, e Seventh St., 2 three-st'y brick dwells.; owner, W. Henderson, 1915 Ellsworth St.

Shuck St., s s, bet. Fourth and Fifth St., two-st'y brick dwell.; builder, W. J. Smith, 617 Snyder Ave.

Tenth St., w s, n Spencer Ave., two-st'y brick dwell.; builders, Beck & Comly, 116 North Seventh St.

Cleveland St., e and w s, n York St., 69 two and three st'y brick and stone dwells.; owner, F. H. Rhodes, 703 Provident Building.

Park Ave., No. 1412, three-st'y brick and stone dwells.; contractor, Thomas B. Ostrander, 1112 Jefferson St.

Susquehanna Ave., s s, w Newkirk St., 3 three-st'y brick dwells.; owner, Joseph M. Serrill, 210 North Twenty-eighth St.

Seventh St., e and w s. s Jackson St., 16 two-st'y brick dwells.; owner, James Lilley, 1222 Snyder Ave.

Reed St., n s, s Twenty-third St., 12 two-st'y brick dwells.; owner, John Deulin, 2311 Lombard St.

Thirty-fourth St., w s, s Huntingdon St., 6 two-st'y brick dwells.; builder, W. F. Albrecht, 2341 North Twenty-ninth St.

Howard St., w s, n York St., three-st'y brick dwell.; builders, W. S. Steele & Son, 506 Walnut St.

Eberle St., e s, s Godfrey St., two-st'y brick dwell.; builder, Alfred Davenport, cor. Dutton St. and Spencer Ave.

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BUILDING INTELLIGENCE.

Stafford St., e s, s Morris St., 4 three-st'y brick dwells.; owner, D. P. Brunner, 4820 Morris St.

Boyer St., n e cor. Mt. Airy Ave., 6 three-st'y brick and stone dwells.; builder, A. S. Tourison, 5541 Germantown Ave.

Ridge Ave., s Susquehanna Ave., 13 two-st'y brick dwells.; builders, James H. Stevenson & Son, cor. Diamond and Thirtieth Sts.

Eighteenth St., e and w s, n York St., 57 two and three st'y stone and brick dwells.; owner, F. H. Rhodes, 703 Provident Building.

Wayne St., e s, s Manheim St., 3 three-st'y frame and stone dwells.; builder, George Fossel, 4739 Chew St.

Hunting Park, n s, w Wayne St., two-st'y stone dwell.; builder, Benjamin Walker, 3953 Germantown Ave.

Eastwick St., w s, s Eighty-fifth St., two-st'y brick and stone dwell.; builder, George B. Heath, Irving Ave., near Eighty-eighth St.

Lancaster Ave., s s, w Forty-ninth St., 4 two-st'y brick and stone dwells.; owner, J. W. De Long, 36 North Fortieth St.

Peach St., w s, n Media St., 2 two-st'y brick dwells.; builder, R. C. Dothard, 5126 Master St.

Westminster Ave., n w cor. Forty-first St., three-st'y brick dwell.; owner, James M. Kelly, 888 North Fortieth St.

Laycock St., e s, s Eighty-ninth St., two-st'y frame dwell.; builder, George B. Heath, Irving Ave., near Eighty-eighth St.

Chelten Ave., e Wayne Ave., three-st'y stone dwell.; builder, W. J. Gruhler, 46 Herman St.

Jackson St., w s, s Pratt St., 2 two-st'y brick dwells.; builders, Marshall & Karns, 2127 Van Pelt St.

Newkirk St., e s, n Lehigh Ave., two-st'y brick dwell.; builder, Charles Judge, 3014 Richmond St.

Richmond St., w s, n Neff St., three-st'y brick dwell; builder, A. McClay, 3026 Richmond St.

Seventeenth St., e s, s York St., 4 three-st'y brick dwells.; builders, Krabo & Strausheim, 2615 Harold St.

Rush St., s s, w Broad St., 8 two-st'y brick dwells.; builder, C. F. Felin, 3829 North Thirteenth St.

Orkney St., w s, n Norris St., two-st'y brick dwell.; builder, William French, 2001 North Fifth St.

Twenty-seventh St., e s, n York St., 3 two-st'y brick dwells.; owner, Godfrey Schmidheiser, 2225 North Twenty-seventh St.

Allegheny Ave., s e cor. Ridge Ave., 2 three-st'y brick dwells.; builder, Charles E. Bartle, Lehigh Ave., cor. Thirty-third St.

Diamond St., n s, e Thirty-first St., 12 three-st'y brick and stone dwells.; owners and builders, Jas. H. Stevenson & Sons, cor. Diamond St. and Ridge Ave.

Ridge Ave., w s, s Susquehanna Ave., 13 two-st'y brick and stone dwells.; owners and builders, Jas. H. Stevenson & Sons, cor. Diamond St. and Ridge Ave.

Twenty-third St., s s, n Venango St., 2 three-st'y brick dwells.; owner, Thomas Logan, 2010 Park Ave.

Spring St., n e cor. Church St., two-st'y brick dwell.; builders, Taylor & Pinker, 1665 Orthodox St.

Pratt St., e s, s Ditman St., two-st'y brick dwell.; builder, Harry Zimmerman, 5120 Melrose St.

Ormes St., e s, n Indiana Ave., 16 two-st'y brick dwells.; owner, Jacob Marsch, 339 Indiana Ave.

Vienna St., cor. Gaul St., three st'y brick dwell.; owners, Joseph Richardson & Co., Otis St. Wharf.

Belgrade St., s s, w Vienna St., three-st'y brick dwell.; owners, Joseph Richardson & Co., Otis St. Wharf.

Gaul St., bet. Montgomery Ave. and Vienna St., 22 two-st'y brick dwells.; owners, Joseph Richardson & Co., Otis St. Wharf.

Pointe Claire, Que. — Two-st'y dwell.; cost, $3,800; owner, F. Aubry; architect, Théo. Daoust, 162 St. James St., Montreal, Can.

Providence, R. I. — *Lloyd St.*, n w cor., bet. Hope St. and Arlington Ave., two-and-one-half-st'y frame dwell.; owners, Society of Friends; architect, Edgar B. Peck; builder, John K. Harris.

Williams St., n w cor. Wells St., two-st'y frame dwell., mansard roof; cost, $5,000; owner, Helen F. E. Roth; builder, David Glover.

Reading, Pa. — Queen Anne cottage; cost, abt. $16,000; owner, W. Nolan; architects, Smith Bros.

Rockdale, Pa.—J. U. Scott will build two dwells.

Somerville, Mass. — *Jacob St.*, frame dwell., 25′ x 36′; owner, Maria Drinkwater; builder, C. H. Brown.

Lowell St., frame dwell., 24′ x 38′; owner and builder, S. S. Higgins

Albion St., frame dwell., 23′ x 38′; owner, Mary A. McLean; builder, Duncan McLean.

Mt. Vernon St., cor. Wheeler St., frame dwell., 29,7′ x 32.6′; owner, Fred H. Hosmer; builder, Lyman Leighton.

Madison St., frame dwell., 28′ x 42′; owner, A. B. Wedgewood; builder, Geo. M. Starbird.

Tufts St., near Dell St., frame dwell., 24′ x 47′; owner, C. H. Ramsdell; builder, O. G. Osgood.

Wheatland St., near Broadway, frame dwell., 25.6′ x 43′; owner, John W. Hatch; builder, George E. Ricker.

Montrose St., near Sycamore St., frame dwell., 25.6′ x 43′; owner and builder, Geo. E. Ricker.

Porter St., cor. Francis St., frame dwell., 25′ x 38′; owner and builder, W. L. Glidden.

Robinson St., frame dwell., 25′ x 29′; owners and builders, S. & C. H. Williams.

Medford St., near Washington St., frame dwell., 22′ x 43.6′; owner, James J. Healey; builder, Sylvester Woods.

Gilman St., frame dwell., 24′ x 46′; owner and builder, H. A. Clarry.

St. Louis, Mo. — Two-st'y brick dwell.; cost, $4,000; owner, Herman Wegmann; contractor, H. Shoemaker.

Two-st'y brick dwell.; cost, $10,000; owner, M. Forster; contractor, Rievve.

Two-st'y brick dwell.; cost, $3,500; owner, Wm. Dunbar; contractor, Marsden.

Two-st'y brick dwell.; cost, $15,000; owner, C. C. Sprague; contractor, S. L. Jones.

Two-st'y brick dwell.; cost, $20,000; owner, Dexter Tiffany; contractor, S. L. Jones.

Two-st'y brick dwell.; cost, $5,000; owner, A. Bernhard; contractor, A. Buxton.

Two-st'y brick dwell.; cost, $6,000; owner, J. H. Dunlap; contractor, B. Stock.

Two-st'y brick dwell.; cost, $8,000; owner, Lizzie E. Carroll; contractors, Knonwall & Co.

Two-st'y brick dwell.; cost, $2,900; owner, Dr. G. E. Bovl; contractor, J. A. Foster.

Two-st'y brick dwell.; cost, $4,600; owner, J. P. Fechter; contractors, Trauell & Seevers.

Two two-st'y brick dwells.; cost, $16,000; owner and contractor, Chas. C. Newberry.

Two-st'y brick dwell.; cost, $5,000; owner, Carrie Shulmann; contractors, W. P. Sloss & Bro.

Two-st'y brick dwell.; cost, $8,000; owner, M. Chalmers; contractor, J. H. Barnes.

Two-st'y frame dwell.; cost, $4,000; owner, Chas. A. Young; contractor, G. M. Blair.

Waltham, Mass. — Three frame dwells., two 29′ x 52′, and one 27′ x 38′; contract to be let; architect, Willard M. Bacon, Boston.

Worcester, Mass. — *Harrison St*, four-st'y frame dwell.; owner, S. D. Shulinsky; contractor, J. B. Beford; architects, Patston & Lincoln.

Harrison St., three-st'y frame dwell.; owner, S. D. Shulinsky; contractor, J. B. Beford; architects, Patston & Lincoln.

Clayton St., two-st'y frame dwell.; owner, Mrs. Stephen C. Earle; architects, Earle & Fischer; contract not let.

Merrifield St., three-st'y frame dwell.; owner, Cornelius Larson, contractor, Chas. I. Warren.

Townsend St., three-st'y frame dwell.; owner, H. S. White; contractor, Chas. I. Warren; architects, Barker & Nourse.

Alvardo Ave., one-and-one-half-st'y frame dwell.; owner, Mrs. K. F. Partridge; contractors, Bernstrom & Olson.

Hathaway St., three-st'y frame dwell.; owner, Geo. F. Orr; contractor, W. R. Thompson; architects, Patston & Lincoln.

Dover St., one-and-one-half-st'y frame dwell.; contractor, G. M. Richardson.

Tracy Lane, one-and-one-half-st'y frame dwell.; owner, A. J. Hough; contractor, P. Casey.

Fruit St., two-st'y frame dwell.; owner, F. W. White; contractor, B. C. Jaques.

Mason St., three-st'y frame dwell.; owner and contractor, H. J. Hale.

Silver St., one-and-one-half-st'y frame dwell.; owner, Eli Midgley; contractor, H. L. Putman.

Jacques St., three-st'y frame dwell.; owner, John F. Chadwick; contractor, H. L. Putnam.

Shattuck St., two-st'y frame dwell.; owner, W. H. Wiggin; architect, W. H. Harvey; contractor, W. E. Putnam.

Mason St., three-st'y frame dwell.; owner, E. A. Prentiss; contractor, W. G. Hadley.

Grove St., one-and-one-half-st'y frame dwell.; owner, W. H. Thayer; contractor, W. E. Putnam.

Tracy Pl., one-and-one-half-st'y frame dwell.; owner, A. J. Hough; contractor, P. Casey.

Fruit St., two-st'y frame dwell.; owner, F. W. White; contractor, B. C. Jacques.

Ward St., three-st'y frame dwell.; owner, P. J. Stanton; contractor, P. Casey.

Hiscox St., two-st'y frame dwell.; owner and contractor F. E. Bee.

OFFICE-BUILDINGS.

Chicago, Ill. — Huck & Young, seven-st'y office-building and store, Blue Island Ave. and Harrison St.; cost, $150,000.

SCHOOL-HOUSES.

Boston, Mass. — *Havre St., No.* 70, and *London St., No.* 75, Ward 2, four-st'y brick parochial school, hip roof, 89′ x 136′; owner, J. J. Williams; builder, Herman Drake.

Chicago, Ill. — Board of Education, two-st'y schoolhouse, 6959 Wood St.; cost, $35,000.

Elwyn, Pa.—Two-st'y stone and brick training school will be built on grounds of school for feeble-minded children; architect, Walter Smedley, 435 Chestnut St., Philadelphia, Pa.

Minneapolis, Minn. — Board of Education, three-st'y brick high-school, cor. Cedar Ave. and Twenty-fourth St.; cost, $90,000.

Newton, Bucks Co., Pa. — J. M. George Friends (Orthodox) School; architect, Addison Hutton, 400 Chestnut St., Philadelphia, Pa.

STABLES.

Boston, Mass. — *Atwood Ave., rear*, near Day St., Ward 22, two-st'y frame stable, pitch roof, 24′ x 26′; owner, Adolph Himmel; builder, D. Johnson.

East Third St., No. 629, Ward 14, one-st'y frame stable, mansard roof, 32′ x 34′; owner, J. W. Collins; builder, W. T. Eaton.

Angell St., rear, near Blue Hill Ave., Ward 23, one-st'y frame stable, pitch roof, 22′ x 30′; owner, W. H. Quiney; builder, Edward Spence.

Mayfield St., rear, near Pleasant St., Ward 24, two-st'y frame stable, hip roof, 30′ x 36′; owner, Elmer Chickering; builder, G. W. Oliver.

Surrey St., rear, near Foster St., Ward 25, frame stable, 24′ x 24′; owner, S. J. Wilde; builder, H. R. Ruggles.

Roslindale Ave., rear, near Dudley Ave., Ward 23, frame stable, 20′ x 24′; owner, H. P. Meyer; builder, Thomas Haley.

Brooklyn, N. Y.— *Troutman St.*, s s, 100′ w Central Ave., one-and-two-st'y brick stable and wagon shed, tin roof; cost, $4,000; owners, Schloss & Sons, 15 Mercer St., New York City; architect, Th. Engelhardt, 905 Broadway.

Camden, N. J.—*Fairview St., rear No.* 729, one-st'y frame stable; owner, Mrs. Lando, 729 Fairview St.

Chicago, Ill. — James Lister, two-st'y barn, Elston and Fullerton Aves.; cost, $7,000.

C. C. Heisen, three-st'y barn, 242 Goethe St.; cost, $3,500.

W. S. Brewing Co., two-st'y barn, 847 Thirty-ninth St.; cost, $5,500.

Union Stock Yard Transfer Co., two-st'y sales stable, Green and Forty-first Sts.; cost, $40,000.

George W. Cass, two-st'y barn, 2713 Michigan Ave.; cost, $9,000.

Calumet Electric Railroad Company, barn, Drexel Ave. and Ninety-third St.; cost, $10,000.

P. J. Flynn, shelter sheds, 67 Chicago and Western Ave.; cost, $3,000.

Philadelphia, Pa. — *Osborne St.*, s s, e Richter St., two-st'y brick stable; builder, W. H. Edleman, 480 Green Lane.

Argyle St., No. 2324, two-st'y brick stable; owner, Charles M. Zimmerman, Oxford Church P. O.

Vandyke St., No. 153, stable; owner, James Devine, Edmund St.

Swanson St., w s, s Tasker St., one-st'y stable; builder, J. H. Hamilton, 1402 Bainbridge St.

Juniper St., w s, n Pine St., three-st'y brick and stone stable; builder, A. S. Tourison, 5541 Germantown Ave.

Somerville, Mass. — *Tufts St., rear, No.* 46, frame stable, 19′ x 22′; owner and builder, A. C. White.

Gilman St., frame stable, 19′ x 22′; owner and builder, H. A. Clarry.

St. Louis, Mo. — Private stable; cost, $5,000; owner, T. A. Meysenberg; contractor, Marsden.

Two-st'y brick livery stable; cost, $3,500; owner, J. H. Gebkin; contractor, F. Dielinbick.

Worcester, Mass.— *Grove St.*, one-and-one-half-st'y frame stable; owner, W. H. Thayer; contractor, W. E. Putnam.

June St., one-and-one-half-st'y frame stable; owner, James Dick, Jr.; contractor, W. B. Richardson.

Emmet Ct., one-st'y frame stable; owner and contractor, N. Dufour.

Paine St., one-st'y frame stable; owner and contractor, N. M. Sly.

Mills St., one-st'y frame stable; owner, Miss Julia A. Read; contractor, E. B. Rogers.

June St., one-and-one-half-st'y frame stable; owner, J. Duck; contractor, W. B. Richardson.

East Worcester St., one-and-one-half-st'y frame stable; owner, George S. Dixon; contractor, George Rice.

STORES.

Boston, Mass. — *East Broadway, No.* 657, Ward 14, three-st'y frame store, flat roof, 25.6′ x 57′; owner, M. J. Mullen.

East and Cove Sts., Ward 12, 2 six-st'y brick stores, flat roofs, 67.2′ x 117-10′ and 46.3′ x 117.4′; owner, J. C. Haynes; builder, G. W. Pope.

Berkeley St., cor. Appleton St., Ward 16, one-st'y brick store, flat roof, 20′ x 50′; owner, C. A. Folsom; builder, L. W. Robinson.

Wakulla St., cor. Rockland St., Ward 21, two-st'y frame store, flat roof, 12′ x 30′; owner, Hugh Nawn Estate; builder, F. X. Julien.

Saratoga St., No. 692, Ward 1, one-st'y frame store, flat roof, 16′ x 24′; owner and builder, E. J. Turner.

Brooklyn, N. Y.—*Halsey St.*, n e cor. Howard Ave., four-st'y brick store and dwell., tin roof; cost, $9,000; owner, architect and builder, H. Grasman, 407 Jefferson Ave.

Knickerbocker Ave., s w cor. Starr St., 2 three-st'y frame stores and dwells., tin roofs; cost, $4,500 each; owner, Julius Dewald, Bushwick Ave. and Melrose St.; architect, Th. Engelhardt, 905 Broadway.

Atlantic Ave., n s, 100′ w Brooklyn Ave., 4 five-st'y brick stores and dwells., tin roofs; cost, $45,000; owners and builders, L. R. and St. John Wood, 75 New York Ave.; architect, Ralph Van Brunt, 1287 Atlantic Ave.

Graham Ave., No. 53, five-st'y brick store and dwell., tin roof; cost, $19,000; owner, Gerson Krakower, 220 Henry St., New York City; architect, H. E. Funk, 186 Throop Ave.

Knickerbocker Ave., w s, 75′ s Harman St., 2 three-st'y frame stores and dwells., tin roofs; total cost, $5,500; owners, Duerkes & Weidner, 242 Hamburgh Ave.; architect, Chas. Infanger, 126 Van Siclen Ave.

Chicago, Ill. — W. S. Butterfield, five stores, 127-131 Twenty-second St.; cost, $20,000.

G. J. Ballow & Co., 2 one-st'y stores, Cottage Grove Ave. and Fiftieth Ct.; cost, $4,000.

Fernwood, Pa. — Store and dwell. will be built by W. B. Evans.

Minneapolis, Minn. — Wingate & Leighton, three-st'y pressed brick stores and flats, 300 to 306 Twentieth Ave., n; cost, $30,000.

A. G. Gottwerth, three-st'y brick stores, 2125-2129 Crystal Lake; cost, $10,000.

Montreal, Can. — *Sherbrooke St.*, cor. St. Lawrence St., six stores and dwells.; cost, $30,000; owners, Wilson & Frost, 11 Place d' Armes; architect, Théo. Daoust, 162 St. James St.

Aylmer St., cor. Berthelet St., store and three dwells.; cost, $20,000; owner, George Bridgemen; architect, A. F. Dunlop, 162 St. James St.

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Sole Manufacturers, - COLUMBUS, OHIO.

BUILDING INTELLIGENCE.

Craig St., store and three dwells.; cost, $9,000; owner, Fabien Groulx; architect, Vincent Lacombe, 897 St. Catharine St.

New York, N. Y.—*Waverly Pl., Nos.* 14-16, 2 six-st'y brick stores, tin roofs; cost, $140,000; owner, Frank A. Leitz, 33 West One Hundred and Twenty-seventh St.; architects, Cleverdon & Putzell, 13 Astor Place.

Sixty-sixth St., s s, 300′ w Eighth Ave., eight-st'y brick store, plastic slate roof; cost, $100,000; owner, W. E. Pruden, 215 West Fifty-first St., architect, Ralph S. Townsend, 1300 Broadway.

Philadelphia, Pa. — *Nineteenth St.*, s w cor. Fairmount Ave., three-st'y brick store and hall; contractor, S. R. Riley, 627 Filbert St.

Tenth St., s w cor. Medical St., five-st'y brick store; contractors, Arthur H. Williams & Sons, 1102 Tenor Pl.

Pointe Claire, Que. — Two-st'y store and concert hall; cost, $5,000; owner, N. Dubrule; architect, Théo. Daoust, 162 St. James St., Montreal, Can.

St. Louis, Mo. — One-st'y brick store; cost, $4,000; owner, C. C. Scott; contractors, Nicholson Bros.

Three-st'y brick store and dwell.; cost, $7,100; owner, Jno. Burkins; contractor, Phil. Tiemon.

Three-st'y brick store and dwell.; cost, $3,000; owner, Daniel Peikel; contractor, Chris. Wende.

TENEMENT-HOUSES.

Boston, Mass. — *Eustis St., Nos.* 64 to 68, Ward 20, 3 three-st'y brick tenements, flat roofs, 20′ x 35′; owner, Brunett Norwich; builder, G. M. Browne.

Cross St., No. 40, Ward 7, five-st'y brick tenements, 26′ x 53′; owner, S. Lipsky; builder, I. Weaver.

Brooklyn, N. Y. — *Eighth Ave.*, s w cor. Fifth St., 4 four-st'y brick tenements, tin roofs; total cost, $35,000; owner and builder, Daniel Buckley, 39 Sterling Pl.; architect, W. M. Coots, 189 Montague St.

Montreal, Can. — *Canning St.*, three-st'y tenement-house; cost, $4,200; owner, Mrs. A. Spellessy; architect, O. Mailloix.

New York, N. Y.—*Westchester Ave.*, n w cor. Eagle Ave., 4 four-st'y brick tenements, tin roofs; cost, $56,000; owner, Frederick Rohrs, 302 East One Hundred and Twenty-sixth St.; architect, Jas. Barrett, 244 East One Hundred and Twelfth St.

St. Louis, Mo. — Three-st'y brick tenement; cost, $3,500; owner, J. C. Brendell; contractor, A. Wind.

THEATRES.

New York, N. Y. — *West Twenty-eighth St., Nos.* 29 to 35, four-st'y brick theatre building, peak, tin and asphalt roof; cost, $125,000; owner, Heirs of Peter Gilsey, 1193 Broadway; architect, Francis H. Kimball, 40 Broadway.

WAREHOUSES.

Boston, Mass. — *Farnsworth St., No.* 39, Ward 13, one-st'y brick storage, flat roof, 30′ x 100′; for Boston Wharf Co.; builder, C. O. Dodge.

Brooklyn, N. Y. — *Smith St.*, s w cor. Wykoff St., five-st'y brick furniture warehouse, tin roof; cost, $14,000; owners, Whalen Bros., on premises; architect, H. Vollweiler, 483 Hart St.

Chicago, Ill. — T. Wiltse, two-st'y warehouse, Twenty-second and Throop; cost, $6,000.

BUILDING INTELLIGENCE.

George P. Krick, two-st'y warehouse, 5510-5543 Madison Ave.; cost, $3,000.

Charles L. Willoughby, six-st'y warehouse, 1238-1245 Wabash Ave.; cost, $40,000.

Minneapolis, Minn.—Salsbury Rolph & Co., five-st'y brick warehouse, 217, 219, 221 Main St., s e; cost, $25,000.

MISCELLANEOUS.

Baltimore, Md. — The Bartholomay Brewing Co. will build three-st'y brick building, w s Eden St., bet. Pratt and Gough Sts.

Brooklyn, N. Y.—*Prospect Ave.*, n s, 90′ e Fifth Ave., three-and-four-st'y brick amusement hall, tin and slate roof; cost, $30,000; owner, builder and architect, John Kolle, Fourth Ave. and Twenty-fourth St.

Chicago, Ill. — Cecline Bohemian Turner Association, three-st'y hall, 32 Emma St.; cost, $25,000.

Pulawskiego Building Company, two-st'y hall, 776-780 Ashland Ave.; cost, $30,000.

Henry Ross & Co., two-st'y foundry, 970-972 California Ave.; cost, $3,000.

Illinois Iron Co., two-st'y foundry, Diversey Ave. and C. & N. W. R. R. tracks; cost, $6,000.

Minneapolis, Minn.— City of Minneapolis, two-st'y fire-station, cor. Main St. and Thirteenth Ave., n e; cost, $9,000.

Hugh Harrison, six-st'y brick and stone wholesale building, 24, 26, 28, 30 North Third St.; cost, $120,000.

New York, N. Y. — *Forty-fifth and Forty-sixth Sts.*, bet. First Ave. and East River, the Schwarzchild & Sulzberger Co. will rebuild their abattoir and meat market; architects, Messrs. A. B. Ogden & Sons.

Providence, R. I.—*Allen's Ave.*, s w cor. Henderson St., one-st'y brick building; cost, $6,000; owners, Almy Water Tube Boiler Co.; built by contract.

Broad St., No. 266, three-st'y brick building; owners, Central Real Estate Co.

Somerville, Mass.— *Broadway, rear*, frame bakery, 24′ x 35′; owner, L. P. Wyman; builder, W. W. Calkin.

St. Louis, Mo. — Three-st'y Catholic convent; cost, $100,000; owners, Ladies of Sacred Heart; contractor, J. H. McNamarra.

Worcester, Mass.—*Norwich Ct.*, two-st'y brick and stone car house; owner, H. H. Bigelow; contractors, Ward & Blanding.

PROPOSALS.

PLASTERING, ETC.

[At Boston, Mass.]

OFFICE OF THE COMMISSIONERS,
27 MT. VERNON STREET, BOSTON, MASS.
BOSTON, June 16, 1892.

Sealed proposals will be received at this office **until 12 M. Monday, July 11, 1892,** for materials and labor required in the plastering, stucco and cement work for the Massachusetts State-House Extension.

Plans and specifications for the same may be seen at the office of the architect on and after Thursday, June 23, 1892.

The Commissioners reserve the right to reject any and all bids, and bids received after the time named will not be considered.

All bids are to be plainly marked "Proposals for the Plastering, Stucco and Cement Work of the Massachusetts State-House Extension, Boston, Mass."

JOHN D. LONG,
BENJ. D. WHITCOMB,
WM. ENDICOTT, JR.,
} State-House Construction Commission.

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PROPOSALS.

ELECTRIC PLANT.

[At Boston, Mass.]

OFFICE OF THE COMMISSIONERS,
27 MT. VERNON STREET, BOSTON, MASS.
BOSTON, June 16, 1892.

Sealed proposals will be received at this office **until 12 M. Monday, July 11, 1892,** for the materials and labor required in the construction of the electric plant, including engines, dynamos and wiring, for the Massachusetts State-House Extension.

Plans and specifications of the same, prepared by the Massachusetts Electrical Engineering Company, may be seen at the State-House Reading-Room on and after Thursday, June 23, 1892.

The Commissioners reserve the right to reject any and all bids, and bids received after the time named will not be considered.

All bids to be plainly marked "Proposals for the Electric Plant for the Massachusetts State-House Extension."

JOHN D. LONG,
BENJ. D. WHITCOMB,
WM. ENDICOTT, JR.,
} State-House Construction Commission.

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Treasury Department, Office Supervising Architect, Washington, D. C., June 13, 1892. Sealed proposals will be received at this office until 2 o'clock P. M., on the 7th day of July, 1892, and opened immediately thereafter, for all the labor and materials required for the low-pressure, return-circulation, steam-heating and ventilating apparatus for the United States Post-office, etc., building at Sedalia, Mo., in accordance with the drawings and specification, copies of which may be had at this office or the office of the Custodian at Sedalia, Mo. Each bid must be accompanied by a certified check for a sum not less than two per cent of the amount of the proposal. The right is reserved to reject any or all bids, or to waive any defect or informality in any bid, should it be deemed in the interest of the Government to do so. All bids received after the time stated will be returned to the bidder. Proposals must be enclosed in envelopes sealed and marked "Proposal for the Low-pressure, Return-circulation, Steam-heating and Ventilating Apparatus for the United States Post-office, etc., building at Sedalia, Mo.," and addressed to W. J. EDBROOKE, Supervising Architect. 862

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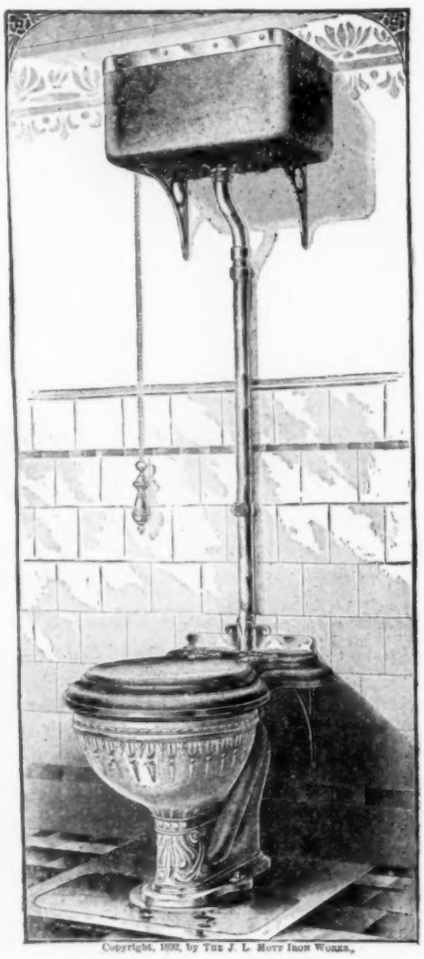

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Illustrated Price-list mailed on application.

Monthly Classified Index

Of all Building Materials.

[See Alphabetical Index on page VII for Pagination.]

Aluminum-Alloy Metal.
ALUMINUM-ALLOY METAL CO., New York, N. Y.

Anchor Plate.
DUVINAGE & CO., P., Brooklyn, N. Y.

Annunciators.
OSTRANDER, W. R. & CO., 185 Fulton Street, New York, N. Y.

Architects' Materials.
FROST & ADAMS, 37 Cornhill, Boston, Mass.

Architectural Sheet Metal Ornamental Work.
MULLINS, W. H., Salem, Ohio.

Architectural Terra-cotta.
N. Y. ARCHITECTURAL TERRA-COTTA CO., 38 Park Row, New York, N. Y.
PERTH AMBOY TERRA-COTTA CO., 160 Broadway, New York, N. Y.

Artesian Wells.
H. S. COATES & CO., 79 Milk Street, Boston, Mass.

Artificial Limbs.
A. A. MARKS, New York, N. Y.

Artificial Stone.
WEHN PAVEMENT CO., 16 Exchange Place, New York, N. Y.
WOOTTON, E. H., 35 Broadway, New York, N. Y.

Asbestos.
ASBESTOS PACKING CO. (THE), Miners and Manufacturers, 169 Congress Street, Boston, Mass.

Asbestos Boiler and Pipe Covering.
ASBESTOS PACKING CO. (THE), 169 Congress Street, Boston, Mass.

Asbestos Boiler and Pipe Covering (The Magnesia.)
S. C. NIGHTINGALE & CHILDS, 134 Pearl Street, Boston, Mass.

Asbestos Felt and Boiler Coverings.
H. W. JOHNS MFG. CO., 87 Maiden Lane, New York, N. Y.

Asbestos Felts.
WATSON CO, H. F., Erie, Pa.

Asbestos Paint.
H. W. JOHNS MFG. CO., 87 Maiden Lane, New York, N. Y.

Asphalt.
NEUCHATEL ASPHALTE CO., 265 Broadway, New York, N. Y.
WOOTTON, E. H., 35 Broadway, New York, N. Y.

Asphalt Roofing.
WARREN CHEMICAL AND MFG. CO., 81 Fulton Street, New York, N. Y.

Basin-Cocks.
STEBBINS MFG. CO., Brightwood, Mass.

Bath-tubs.
J. L. MOTT IRON WORKS, 84 Beekman Street, New York, N. Y.

Beams for Fireproof Building.
PASSAIC ROLLING-MILL CO., Paterson, N. J.

Bell Founders.
BLAKE BELL CO., Allen and Brighton Sts., Boston, Mass.

Blowers.
HUYETT SMITH MFG. CO., Detroit, Mich.

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PHILADELPHIA BLUE PRINT CO., 910 Filbert Street, Philadelphia, Pa.
SPAULDING & MOSS, 53 State Street, Boston, Mass.

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BRENTANO, 206 Wabash Avenue, Chicago, Ill.
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Books and Journals.
E. & F. N. SPON, 12 Cortlandt Street, New York, N. Y.
TICKNOR & CO., 211 Tremont Street, Boston, Mass.
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Brass Door-Rail.
RANDOLPH & CLOWES, Waterbury, Conn.

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BLAKE BELL CO., Allen and Brighton Streets, Boston, Mass.

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SHANNON, J. B. & SONS, 1020 Market Street, Philadelphia, Pa.

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RANDOLPH & CLOWES, Waterbury, Conn.

Brass Wire Cloth.
NEW JERSEY WIRE CLOTH CO Trenton, N. J.

Brazed Brass Tubes.
RANDOLPH & CLOWES, Waterbury, Conn.

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FISKE, COLEMAN & CO., Boston, Mass.

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HYDRAULIC-PRESS BRICK CO., St. Louis, Mo.

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THE FREY-SHECKLER CO., Bucyrus, O.

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PASSAIC ROLLING-MILL CO., Paterson, N. J.

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BLAKE BELL CO., Allen and Brighton Streets, Boston, Mass.
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BUREAU BROS., S. W. Cor. 21st and Allegheny Ave, Philadelphia, Pa.
M. J. POWER, 218 East 25th Street, New York, N. Y.

Brown & Bros. Pat. Seamless Drawn Copper Kitchen-Range Boilers.
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HYDRAULIC-PRESS BRICK CO., St. Louis, Mo.

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HYDRAULIC-PRESS BRICK CO., St. Louis, Mo.

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ASBESTOS PACKING CO. (THE), 169 Congress Street, Boston, Mass.

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WATSON CO, H. F., Erie, Pa.

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24 State Street, New York, N. Y.
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CHROME STEEL WORKS,
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CLAY SHINGLE CO.,
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NEW JERSEY WIRE CLOTH CO.,
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SAMSON CORDAGE WORKS,
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RANDOLPH & CLOWES,
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JAMES MILLER & BROTHER,
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VAN NOORDEN & CO., E.,
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N. Y. ARCHITECTURAL TERRA-COTTA CO.,
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MOORE & JACKSON,
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JACKSON & CO., WM. H.,
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LINK-BELT ENGINEERING CO.,
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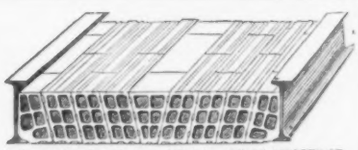

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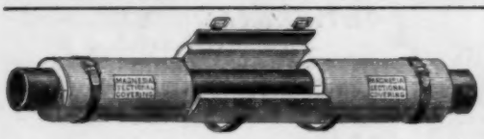

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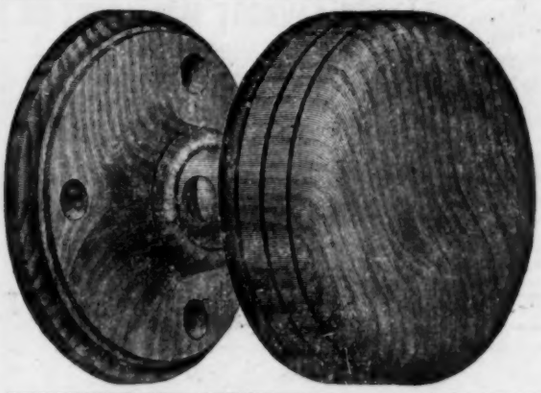

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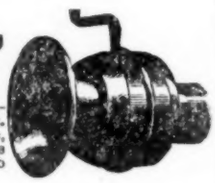

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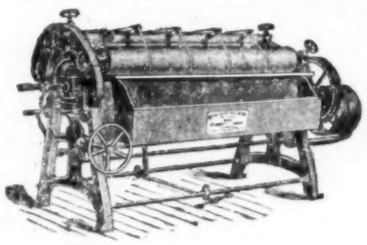

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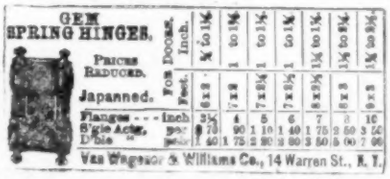

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